

DEPARTMENT OF THE ARMY  
US ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE  
ABERDEEN PROVING GROUND, MD 21010-5403

## PEST MANAGEMENT BULLETIN

The *Pest Management Bulletin*, a quarterly publication of the U.S. Army Center for Health Promotion and Preventive Medicine (CHPPM) Entomological Sciences Program, is devoted to keeping installation pest management and preventive medicine personnel informed and up-to-date in the rapidly changing field of pest management.

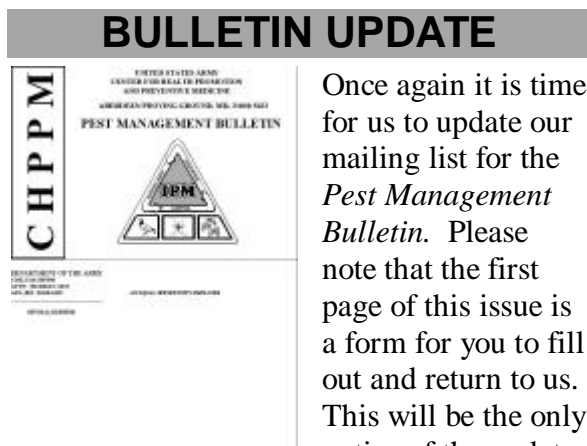
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This Bulletin is designed to keep you informed. Therefore, your comments and suggestions are welcome. If you have a problem, a solution, or a personal observation about any aspect of pest management, please send it to us. Write to the following address: Commander, US Army Center for Health Promotion and Preventive Medicine, ATTN: MCHB-TS-OEN (*Pest Management Bulletin*), 5158 Blackhawk Road, Aberdeen Proving Ground, MD 21010-5403, or call us at DSN 584-3773 or commercial (410) 436-3773.

The contents of the Pest Management Bulletin and views expressed are at the discretion of the editor and staff of the Entomology Programs. They do not represent official views or policies of USACHPPM or the U.S. Army. Mention of a pesticide or a commercial product does not constitute an endorsement or recommendation of this product by the Entomology Program, USACHPPM, or the U.S. Army. Reproduction of this bulletin or use of any portion thereof, except by Federal agencies, is not allowed without specific written permission from USACHPPM.

<http://chppm-www.apgea.army.mil/ento>



Once again it is time for us to update our mailing list for the *Pest Management Bulletin*. Please note that the first page of this issue is a form for you to fill out and return to us. This will be the only notice of the update

you will receive. **If we do not hear from you, we will remove your name from the mailing list.**

Also, please note that we are striving to publish the Bulletin only on the World Wide Web and thus eliminate the printed copies of the Bulletin. When we make this change, we will let you know by e-mail when the new version of the Bulletin is available and will give you the web address for viewing the Bulletin. We hope that we can do this by the March 2001 issue of the Bulletin. Therefore, we need your e-mail address.

## NOTES FROM CHAIRMAN HARV



Mr. Harvey Shultz, Northern Division, Naval Facilities Engineering Command, submitted the following articles. Thanks, Harv!

## EPA TAKING A CLOSE LOOK AT SKIN REPELLENT LABELLING

“Reapply as necessary” may not cut it any more with EPA as a legitimate statement on skin repellent labels. Efficacy varies among people depending on many factors including age, sex, weight and use of fragrant products. Currently “first confirmed bite” data is the basis for skin repellent label instructions. EPA would like to require labels based on the mean time to the first bite, or by comparing the number of insect bites to untreated subjects, thus documenting the reduction in bites.

And despite the fact that “protection time” studies done on one biting insect (say a mosquito) may not apply to another (say a deer tick), extrapolative assumptions are currently used as the basis for repellent labels. This practice, if a draft EPA PR Notice, “Insect Repellents: Labeling, Data Citations, and Testing Criteria” (15 DEC 99), is any indication, could be terminated. Also look for future labels to state “reapplication time” based on the shortest protection time from all testing, or the average protection time if the statistical mean of all testing shows no significant testing.

You can obtain a copy of the Notice in the 12 JAN 00 Federal Register by going to the Federal Register Website at [http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2000\\_register&docid=00-626-filed](http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2000_register&docid=00-626-filed)

## DID YOU KNOW THAT...?

...”until the second half of the 20<sup>th</sup> century, malaria was endemic and widespread in many temperate regions, with major epidemics as far north as the Arctic Circle.” (Paul Reiter)

...fipronil has passed 5-years of USDA testing as a termiticide without any control failures. (Rhone-Poulenc advertising for Termidor)

...Orthene is marketed for control of resistant roaches. (Paragon advertising for Orthene PCO Formula II)

### **AFPMB EXECUTIVE COMMITTEE ACCEPTS COMMITTEE RECOMENDATIONS FROM NOV MEETING**

A special tri-service six-person committee will determine if the Components needs aerial spray capability and if so, what kind.

The Chair will appoint an ad hoc committee to review future DoD pest management training needs and recommend a course of action to meet requirements.

DPMIAC will be the depository for DoD pest management images.

The old rodent survey set will reviewed.

Hydramethylnon bait gel and fipronil roach bait gel will be added to the standard pesticide listing.

The DoD/USDA research plan will be expanded to include high priority consideration of biological investigation of invasive snails and ordnance fumigation to control snails and wood-destroying pests.

A combined repellent/camouflage face paint will be recommended.

The AgriSense SP-Locator Moth Trap/SP Locator Pheromone Dispenser for Indian Meal Moth (IMM) will be recommended for stocklisting

### **IN-HOUSE DOD CIVILIAN PEST CONTROL; DOES IT HAVE A FUTURE?**

The handwriting may be on the wall for DoD's shrinking civilian pest control work force. To address years of budget shortfalls projected for the coming years, DoD will review the jobs of 229,000 workers, primarily civilians by 2005. By comparison, during the Office of Management and Budget A-76 competitions conducted between 1979 and 1996 only 90,000 jobs were studied (of which 60% were privatized.) The Pentagon predicts that the coming studies will save billions annually. Some lawmakers and others disagree citing all kinds of problems from over optimism to the high cost of the studies themselves. But can the relatively tiny remaining cadre of DoD civilian pest controllers withstand the momentum of privatization? Technical training for DoD pest control contract inspectors (vice pest control applicators) seems to be a military "growth industry" that might continue to grow.

### **UPDATED MIL-STD 904B**

Captain Herb Bolton, Research Liaison Officer, Armed Forces Pest Management Board, provided the following article.



The Department of Defense has reinstated the Military Standard for Department of Defense, Standard

Practice on Detection, Identification, and Prevention of Pest Infestation of Subsistence, MIL-STD-904. This Military Standard is approved for use by all Departments and Agencies of the Department of Defense

(DoD). The Armed Forces Pest Management Board (AFPMB), through the AFPMB Stored Products Committee, provided technical input and review for MIL-STD-904B.

This standard describes a set of practices that enable DoD personnel to effectively detect, prevent, and evaluate, the infestation or contamination of subsistence items from exposure to insects, rodents, birds, or other animals, and to reduce the impact of infestation or contamination. The practices described in this standard delineate inspection procedures, evidence collection techniques and equipment, sampling methods, and disposition procedures. This Military Standard specifies technical requirements for inspection of subsistence and food service functions to ensure clean, wholesome food products that are free from chemical, microbiological, and physical contaminants and to prevent the transmission of food-borne disease to members of the Armed Forces. While the U.S. Code contains the regulations pertaining to these issues, the purpose of the standard is to select and compile the particular requirements and verification provisions, which have uniquely military applications.

MIL-STD-904B is applicable in all elements within the DoD involved in the inspection of subsistence items purchased with either appropriated or non-appropriated funds. The standard will not be used to determine the capability of an establishment to produce or furnish products or services that are in compliance with specifications or other purchase documents.

MIL-STD-904B and other standardization documents are now available on the internet. They may be obtained free of charge by electronically accessing the DoD's DoDISS, Department of Defense Index of Specifica-

tions and Standards, which is available through the website: <http://www.dsp.dla.mil>. To download MIL-STD-904B in Adobe Acrobat format, click on Specs and Stds for Online Documents. Then click on the ASSIST Quick Search icon and enter the document identifier: MIL-STD-904B....CAPT Bolton

## **PRECISION TARGETING/SPATIAL ANALYSIS SOFTWARE NOW AVAILABLE**



Captain Herb Bolton, Research Liaison Officer, Armed Forces Pest Management Board, also provided the following article.

The Precision Targeting and Spatial Analysis software

developed over the last four years by the U.S. Department of Agriculture, Center for Medical, Agricultural, and Veterinary Entomology (CMAVE) is now available at no cost. Dr. Rick Brenner, the principal investigator for the software's development and Research Leader of the Imported Fire Ant and Household Insects Research Unit (IFAHU), has made the software available through a new website: <http://cmave.usda.ufl.edu/~ifahi>.

In response to DoD pest management requirements, Dr. Brenner and his research team developed the software with the support of a four-year Strategic Environmental Research and Development Program research project, Pesticide Reduction Through Precision Targeting. The software adds in-

creased functionality and simplifies the use of ArcView® GIS software and provides a powerful tool to document and analyze data from installation pest management programs or deployment surveillance and control operations.

The Precision Targeting and Spatial Analysis (PT/SA) software includes the following functionality:

It allows the user to precisely document “in real time” the location of field survey data or pesticide applications. This geo-referenced data is directly filed in an ArcView® database; in this way, data can be easily stored, retrieved, and shared with others. By using a GPS unit with the software, the user can collect and immediately record geo-referenced data. When the software is run on a pentablet computer, the user can record data directly by handwriting the entries onto the pentablet screen.

The software provides an easy method to visualize the distribution of an insect or pest population by carrying out a spatial analysis on the data. The software also creates a “spatial map” that “targets” the location of the population. This method includes the ability to apply pest thresholds in the analysis.

It can be used to analyze pest management data along with other GIS data sets such as locations of buildings and utilities; natural resource features; soil types; land use; human use patterns; etc.

In advanced applications, the software can analyze data sets through specific predictive models that have been specially written for spatial analyses. For example, Dr. Dana Focks of the IFAHI Research Unit at CMAVE is completing spatial models for

container breeding mosquitoes and the risk of dengue transmission.

The current version of the Integrated Pest Management Information System (IPMIS) is also included as an extension of the PT/SA software. This permits the user to easily record pesticide use if the pesticide applicator determined that a pesticide application was needed after running the precision targeting and spatial analysis.

The help files available at the IFAHI website listed above include detailed descriptions of PT/SA Case Studies conducted by the IFAHI Research Team and collaborating beta-testers in DoD. These case studies cover the use of the PT/SA software for monitoring and controlling cockroaches, pharaoh ants, stored product insects, and green June beetles. New users of the software can use the case studies: (1) to get an understanding of the importance of collecting and analyzing data on a spatial basis, (2) to step through the use of the software and see the software’s functionality in actual real world projects, and (3) to learn the steps and procedures needed to run new PT/SA projects of interest to the user.

You can download this custom ArcView® 3.1 extension from the “Software Library – Downloads” page of the above website. **If you do not have ArcView® present on your computer, the setup program will not complete the installation.** However, you can learn much more about the functionality of the software and review the case studies included by downloading the extensive help files available at the above website. The hardware and software system requirements needed to fully use the Precision Targeting and Spatial Analysis software include: (1) Computer: Standard personal computer with a Pentium or higher Intel-based microprocessor; (2) Hard disk space:

Approximately 160MB for a full ArcView® installation.; (3) Memory: 64MB RAM; (4) Operating System: Windows 95/98 or Windows NT 4.0.; and (5) Software: ArcView® and Spatial Analyst®. GPS functionality requires Tracking Analyst®. ArcView®, Spatial Analyst®, and Tracking Analyst® are registered trademarks of ESRI. License and purchase information for those products is available at <<http://www.esri.com>>.

For further information contact CAPT Herb Bolton at (352) 374-5950/ <[htbolton@gainesville.usda.ufl.edu](mailto:htbolton@gainesville.usda.ufl.edu)> or Mr. Eric Daniels at CMAVE at (352) 374-5882/ <[edaniels@gainesville.usda.ufl.edu](mailto:edaniels@gainesville.usda.ufl.edu)>-----CAPT Bolton.

## FORT MEADE VS. WEST NILE VIRUS



The following press release was prepared for use on Fort George G. Meade (FGGM). Thanks to Mr. Kevin Fay for pro-

viding this information.

### POST COMBATS WEST NILE VIRUS

The DPW Entomology Section, FGGM MEDDAC Environmental Health Section, and the US Army Center for Health Promotion and Preventive Medicine-North, are all working to put together a coordinated effort to combat the possible spread of West Nile Virus on the installation. West Nile Virus surfaced in New York City last summer. There were 56 cases of the virus reported which resulted in 7 deaths, all in the New York City area. West Nile virus is primarily spread by *Culex* mosquitoes.

West Nile virus is of concern on Fort Meade because the virus has been found in some birds in Maryland. Mosquitoes become infected when they feed on infected birds, which may circulate the virus in their blood for a few days. After an incubation period of 10 days to 2 weeks, infected mosquitoes can then transmit West Nile virus to humans and animals while biting to take blood. The virus is located in the mosquito's salivary glands. During blood feeding, the virus is then injected into the animal or human, where it then multiplies and may cause illness. Symptoms of West Nile Virus include fever, headache, and body aches, often with skin rash and swollen lymph glands. More severe infection may be marked by headache, high fever, neck stiffness, stupor, disorientation, coma, tremors, convulsions, muscle weakness, paralysis and, rarely, death.

Starting this week the three activities will be identifying potential breeding sites for *Culex* mosquitoes and taking measures to correct any problems before they occur. The initial effort will entail identifying potential mosquito breeding sites such as storm drains, catch basins, sediment ponds, water holding containers, ditches or virtually any area where standing water could collect and mosquitoes can breed. Corrective measures will be taken immediately if larvae are present and/or if conditions exist for potential mosquito breeding sites.

Early detection and larval treatment is the most effective form of mosquito control. A coordinated larval control program early in the season will prevent problems from occurring later in the summer months.

Residents of housing and building occupants can also help by identifying areas around their buildings and homes that may have the potential for collecting and holding water



and taking appropriate corrective measures. Cleaning up water collecting debris such as buckets, flowerpots and poorly maintained kiddie pools will help in reducing the threat. Sometimes it is as simple as making sure buckets, empty containers or other types of water collecting items are stored upside down so as not to collect water. Cleaning birdbaths weekly so stagnate water doesn't collect in them will also prevent mosquitoes from breeding.

You can also lessen the risk of being bitten by mosquitoes by taking the following precautions:

- Stay indoors at dawn, dusk, and in the early evening.
- Wear long-sleeved shirts and long pants whenever you are outdoors.
- Apply insect repellent sparingly to exposed skin. An effective repellent will contain 20% to 35% DEET (N,N-diethyl-meta-toluamide). DEET in high concentrations (greater than 35%) may cause side effects, particularly in children; avoid products containing more than 35% DEET. Repellents may irritate the eyes and mouth, so avoid applying repellent to the hands of children. Insect repellents should not be applied to very young children (< 3 years old).
- Spray clothing with repellents containing permethrin or DEET, as mosquitoes may bite through thin clothing.
- Whenever you use an insecticide or insect repellent, be sure to read and follow the manufacturer's DIRECTIONS FOR USE, as printed on the product.
- Remove standing water around your home. Pay special attention to any containers that may collect water and store them in a manner that would not allow water to accumulate in them.

Note: Vitamin B, "ultrasonic" devices and "bug zappers" are NOT effective in preventing mosquito bites or controlling mosquitoes.

## IT'S IN THE NEWS



### LYME DISEASE, 1992-1998 - USA

A ProMED-mail  
post

Lyme disease tracking indicates increased case numbers.

The number of reported cases of Lyme disease increased by 70 percent over a six-year period ending in 1998, the federal government said. The U.S. Centers for Disease Control and Prevention said there were 16 802 reported cases of Lyme disease in 1998, compared to 9909 cases in 1992. The report attributed the rise to more incidents and improved reporting of the disease.

Over the six-year period, 92 percent of reported cases were in Connecticut, Delaware, Maryland, Massachusetts, New Jersey, New York, Pennsylvania, and Rhode Island and two north-central states -- Minnesota and Wisconsin, the CDC said. The majority of reported cases had onsets of disease in June, July, or August, corresponding with the seasonal feeding activity of the tick, the CDC said. From: ProMED-mail

Source: Associated Press, 28 Apr 2000 [edited]

### FIRST AID INSTRUCTIONS REVISED FOR PESTICIDE PRODUCT LABELS

On April 11, EPA proposed to revise the format and content of first aid advice on all

pesticide product labels to make them easier to read. While companies can start to use this revision immediately, the Agency will accept public comments for 30 days. The revision incorporates recommendations by the medical community and the Consumer Labeling Initiative. Changes to labels will include: section headings labeled First Aid instead of Statement of Practical Treatment; new format designs; as well as first aid advice for each pathway of exposure through the mouth, skin, inhalation, and eye. The goal is to revise all product labels by October 1, 2001. For more information, please contact Amy Breedlove in the Office of Pesticide Programs at (703) 308-9069, or by e-mail at: <mailto:mbreedlove.amy@epa.gov>. For a copy of the notice, see: [http://www.epa.gov/PR\\_Notices/](http://www.epa.gov/PR_Notices/)

#### OREGON STUDIES HOW TO MONITOR PESTICIDES

May 4, 2000  
The Oregonian  
Alex Pulaski

Someday soon when you buy Roundup at Home Depot or ant spray at Fred Meyer you could, according to this story, be required to fill out a form with your name, address and phone number.

That could be followed by a phone call asking where you used the chemicals. These and others possible tracking methods are spelled out in a study suggesting how Oregon can carry out the pesticide reporting law passed by the Legislature last year.

Although aimed primarily at documenting agricultural use -- farmers apply about three-quarters of all pesticides -- the law made Oregon the first state in the nation attempting to determine how all types of consumers rid themselves of pests, weeds and fungus.

The story says that the details, for the moment, rest with an 18-member group that will recommend to the state Agriculture Department how the program should work. However, the department is not bound by those recommendations.

Group members are now weighing a just-released review by two scientists presenting how pesticide and herbicide data might be collected, what it might cost and whether such information would be useful. In general, environmental and consumer groups are pushing for as much detail as possible; trade organizations would prefer less-specific reporting. Under the law, specific location and identity of users will not be made public.

#### HOMEOWNERS WIN SETTLEMENT IN MALATHION CASE

Orlando -- A Florida family has won an undisclosed settlement from their insurance provider for damage to their home they say was caused by aerial application of malathion during a 1997 effort to control the medfly.

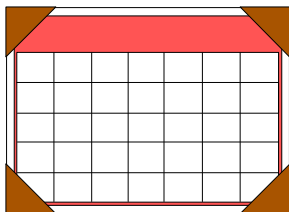
Nicholas and Pauline Ruys sued the Automobile Insurance Company of Hartford to have their home rebuilt as a result of malathion drifting onto their property. The Ruys claim that a malathion application to neighboring fields in 1997 made their house uninhabitable.

Bryan McMinn, the plaintiff's attorney, says a toxicologist recommended that the Ruys leave their home as a result of the alleged contamination. "It is the Ruys' intention to demolish their former home and rebuild a new one," McMinn said.



Excerpted from PCT Online's E-Newsletter,  
12 May 2000.

## UPCOMING EVENTS



2000

JUNE

14 June 2000.

**Pest Wars**, National Motorcycle Museum, Birmingham, England. Contact: BPCA, 01332 294288, FAX 01332 295904 or e-mail: [enquiry@bpca.org.uk](mailto:enquiry@bpca.org.uk)

17 June – 1 July 2000. **Biology of Disease Vectors**, Colorado State University. Contact: <http://www.jiggityjig.com/bdv2000/index.htm> or Dr. Nancy DuPeau, Department of Microbiology, CSU, Fort Collins, CO 80523-1677, 970-491-8505 or by e-mail [nduteau@cvmbs.colostate.edu](mailto:nduteau@cvmbs.colostate.edu)

20 – 22 June 2000. **Florida Pest Control Association (FPCA) Convention**, Westin Innisbrook Resort, Tarpan Springs, FL. Contact: Dawn Rivera (800) 426-4829.

25 - 28 June 2000. **84th Annual Meeting of the Pacific Branch of the Entomological Society of America**, Double Tree Hotel, Costa Mesa, CA. POC: Contact: the ESA, 9301 Annapolis Road, #300, Lanham, MD, 20706, (301) 731-4535; FAX: -4538; or visit their website at: <http://www.entsoc.org>

25 – 30 June 2000. **Annual General Meeting of the Australian Entomological Society**, Darwin, Northern Territory, Australia. Contact: Peter Whelan, Director and senior medical entomologist, Medical Entomology Branch, Territory Health Services, Darwin

<mailto:peter.whelan@CASRDH.HEALTH.n.t.gov.au>

## JULY

9 – 23 July 2000. **35<sup>th</sup> Graduate Summer Session in Epidemiology**, University of Michigan, School of Public Health. Contact: Jody Gray, Graduate Summer Session in Epidemiology, The University of Michigan, School of Public Health, 109 Observatory St., Ann Arbor, MI 48109-2029, (734) 764- 5454 or e-mail [umichgss@umich.edu](mailto:umichgss@umich.edu) or visit the website at <http://www.sph.unich.edu/epid/GSS>

10 – 15 July 2000. **Second Conference of the Southern African Society for Systematic Biologists**, Mtunzini, KwaZulu-Natal, South Africa. Contact: Professor Denis J. Brothers at <mailto:brothers@zoology.unp.ac.za> or visit the website at <http://contra.biology.und.ac.za/sassb>

18 – 21 July 2000. **164th Meeting Armed Forces Pest Management Board**, Forest Glen Section, Walter Reed Army Medical Center, Washington, DC. Contact: Col Bob McKenna, (301) 295-7476 or e-mail [mckennrj@acq.osd.mil](mailto:mckennrj@acq.osd.mil)

## AUGUST

7 – 11 August 2000. **3<sup>rd</sup> Annual Army Force Health Protection Conference**, Baltimore Convention Center, Baltimore, MD. Contact: LTC Scott Gordon, (301) 295-3733, DSN 295-3733 or E-mail [sgordon@usuhs.mil](mailto:sgordon@usuhs.mil)

7 – 11 August 2000. **Biennial Army Entomology Workshop** (Held in conjunction with the Army Health Protection Conference), Baltimore Convention Center, Balti-

more, MD. Contact: LTC Scott Gordon,  
(301) 295-3733, DSN 295-3733 or E-mail  
[sgordon@usuhs.mil](mailto:sgordon@usuhs.mil)

8 – 10 August 2000. **Combined Meeting of Bird Strike Committee Canada and Bird Strike Committee USA**, Minneapolis/St. Paul International Airport, MN. Contact: Visit the website at  
<http://birdstrike.org/meetings/mn.htm>

20 – 25 August 2000. **XV International Congress for Tropical Medicine and Malaria**, Cartagena de Indias, Colombia. Contact: Visit the website at  
<http://wwwprof.uniandes.edu.co/~xvifm/cartagena.htm>

20 - 26 August 2000. **XXI International Congress of Entomology**, Iguassu Falls, Brazil. Contact: XXI International Congress of Entomology, c/o Dr. Decio Luiz Gazzoni, P.O. Box 231, 86001-970 Londrina-PR, Brazil. For more information, check out the WWW site at <http://www.embrapa.br/ice>

## SEPTEMBER

12 - 14 September 2000. **Fifth International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe**, Prague Marriott Hotel, Prague, Czech Republic. Contact: Website at <http://www.praque2000.fsu.edu>

14 – 15 September 2000. **Intensive Review Course in Clinical Tropical Medicine and Travelers' Health**, Toronto, Ontario, Canada. Contact: American Society of Tropical Medicine and Hygiene, 60 Revere Drive, Suite 500, Northbrook, IL 60062, (847) 480-9592 or visit the WebPages at  
<http://www.astmh.org>

18 – 22 September 2000. **OXFORD 2000 – New Challenges in Tropical Medicine and**

**Parasitology**, Joint meeting of the Royal/American Society of Tropical Medicine and Hygiene and the British Society of Parasitology. Contact: Complete Congress Services, +44 0 1625 624091 or e-mail  
[ccs@cmc.cc.uk](mailto:ccs@cmc.cc.uk)

## OCTOBER

29 October – 2 November 2000. **ASTMH 49<sup>th</sup> Annual Meeting**, Westin Galleria, Houston, TX. Contact: American Society of Tropical Medicine and Hygiene, 60 Revere Drive, Suite 500, Northbrook, IL 60062, (847) 480-9592 or visit the WebPages at <http://www.astmh.org>

## NOVEMBER

8 November 2000. **PestTech 2000**, National Motorcycle Museum, Birmingham, England. Contact: NPTA, 0115 952 4333, FAX 0115 948 3696

14 – 17 November 2000. **165th Meeting Armed Forces Pest Management Board**, Forest Glen Section, Walter Reed Army Medical Center, Washington, DC. Contact: Col Bob McKenna, (301) 295-7476 or e-mail [mckennrj@acq.osd.mil](mailto:mckennrj@acq.osd.mil)

## DECEMBER

3 – 7 December 2000. **Entomological Society of America**, held in association with the annual meetings of La Société d'Entomologie du Québec and the Entomological Society of Canada, Palais des Congrès de Montréal, Montreal, Canada. Contact: ESA, (301) 731-4535 or visit the website at <http://www.entsoc.org>

## 2001

## JANUARY

29 January – 30 March 2001. **The Gorgas Course in Clinical Tropical Medicine**, Instituto de Medicinal Tropical, Lima Peru. Contact: The University of Alabama at Birmingham, 800-UAB-MIST or e-mail at <mailto:info@gorgas.org>

## JUNE

5 – 6 June 2001. **PestEx-ProtEx 2001**, NEC Birmingham, England. Contact: Christine McGee, BPCA, 01332 294288, FAX 01332 295904 or email: [enquiry@bpca.org.uk](mailto:enquiry@bpca.org.uk)

## SEPTEMBER

2 – 6 September 2001. **3<sup>rd</sup> European Vertebrate Pest Management Conference**, Israel. Contact: Orta Ltd, PO Box 9352, Tel Aviv 61092, Israel, FAX +972 3 638 4455.

## COURSES FOR DOD PERSONNEL



[Appendix A](#) lists the DoD certification and re-certification classes being offered. If you are interested in any of these courses, please contact the referenced POCs.

## DOD STOCK LISTED PESTICIDES



The updated list of DoD Stock listed pesticides can be found in [Appendix B](#). Please note that changes are listed in bold. The most current list can always be found on the AFPMB web page at:

<http://www.afpmb.org/pubs/misc/pest0400.htm>

## DOD EQUIPMENT LIST



[Appendix C](#) lists the DoD Pest Management Material Other Than Pesticides. The most current list can always be found on the AFPMB website at:

<http://www.afpmb.org/pubs/misc/dod0>

[400.htm](#)

## ON THE LIGHTER SIDE



The following came from an anonymous mother in Austin, Texas.

THINGS I'VE  
LEARNED FROM  
MY CHILDREN,  
HONEST AND NO  
KIDDING:

1. A king size waterbed holds enough water to fill a 2000 sq. foot house 4 inches deep
2. If you spray hair spray on dust bunnies and run over them with roller blades, they can ignite.
3. A 3 year old's voice is louder than 200 adults in a crowded restaurant.
4. If you hook a dog leash over a ceiling fan, the motor is not strong enough to rotate a 42-pound boy wearing Batman underwear and a superman cape. It is strong enough, however, to spread paint on all four walls of a 20 by 20 foot room.
5. You should not throw baseballs up when the ceiling fan is on. When using the ceiling fan as a bat, you have to throw the ball up a few times before you get a hit. A ceiling fan can hit a baseball a long way.
6. The glass in windows (even double pane) doesn't stop a baseball hit by a ceiling fan.
7. When you hear the toilet flush and the words "Uh-oh," it's already too late.
8. Brake fluid mixed with Clorox makes smoke, and lots of it.
9. A six year old can start a fire with a flint rock even though a 36-year-old man says they can only do it in the movies. A magnifying glass can start a fire even on an over-cast day.
10. Certain Lego's will pass through the digestive tract of a four year old.
11. Play Dough and Microwave should never be used in the same sentence.
12. Super glue is forever.
13. No matter how much Jell-O you put in a swimming pool you still can't walk on water.
14. Pool filters do not like Jell-O.
15. VCR's do not eject PB&J sandwiches even though TV commercials show they do.
16. Garbage bags do not make good parachutes.
17. Marbles in gas tanks make lots of noise when driving.
18. You probably do not want to know what that odor is.
19. Always look in the oven before you turn it on. Plastic toys do not like ovens.
20. The fire department in Austin, TX has a 5-minute response time.
21. The spin cycle on the washing machine does not make earthworms dizzy. It will however make cats dizzy.
22. Cats throw up twice their body weight when dizzy.

## **APPENDIX A**

### ***COURSES FOR DoD PEST MANAGEMENT PERSONNEL***

If you see any information that needs to be corrected or updated, please contact Capt Mauer, who can be reached at Tel: (301) 295-7479, DSN Prefix 295 or E-mail: <mailto:mauerdj@acq.osd.mil>.

#### **ARMY SPONSORED COURSES**

1. For information on the following courses, contact SSG Kerry McKinley, Academy of Health Sciences, U.S. Army, ATTN: MCCS-HPM, Fort Sam Houston, TX 78234-6100, Tel: (210) 221-6801/6733, DSN Prefix 471, E-mail: [kerry.mckinley@amedd.army.mil](mailto:kerry.mckinley@amedd.army.mil).

Classes are conducted at Fort Sam Houston, TX.

Pest Management Certification

Course (6H-F12/322-F12):

JUN 5 – 23, 2000

AUG 14 – SEP 1, 2000

Recertification (6H-F13/322-F13)

JUL 17 – 21, 2000

SEP 18 – 22, 2000

2. For information on courses in Germany, contact LTC Leon Robert, HQ, USACHPPM-EUR, CMR 402, Box 137, APO AE 09180, Tel: 49-6371-86-8540/44, DSN: 486-8540/44. Classes are conducted at the USACHPPM-EUR, Landstuhl, Germany.

3. For information on courses taught at the Environmental Training Center, contact Ms. Gail Boeff, ATTN: ATZR-BT, Fort Sill, OK 73503-5100, Tel: (580) 442-2111, Fax: (580) 442-5722, DSN Prefix 639. The Environmental Training Center at Fort Sill, OK, conducts a variety of environmental, natural resources and occupational health courses.

#### **NAVY SPONSORED COURSES**

1. For information on the following courses, contact HM2 Whalen, NDVECC, Naval Air Station Jacksonville, Box 43, Jacksonville, Florida 32212, Tel: (904) 542-2424 ext 3029, Fax: (904) 542-4324, DSN Prefix 942. Unless noted otherwise, classes are conducted at the Disease Vector Ecology and Control Center, NAS Jacksonville, Jacksonville, FL.

Pesticide Applicator Training (Core) (B-322-1070),

Instruction for Initial Certification:

SEP 11 – 18, 2000

SEP 10 – 17, 2001

Plant Pest and Vegetation Management (B-322-1071),

Initial Certification for Categories 2, 3, 5 & 6:

SEP 19 – 22, 2000

SEP 18 – 21, 2001

Arthropod and Vertebrate Pest Management (B-322-1072), Initial Certification for Categories 7 & 8:

SEP 25 – OCT 4, 2000

SEP 24 – OCT 3, 2001

Recertification (B-322-1074)

NOV 8 – 9, 2000

FEB 21 – 22, 2001

APR 10 – 11, 2001

NOV 6 – 7, 2001

Operational Entomology Training (B-322-1077), designed for A/D & Reserve PMTs, EHOs, Entomologists, Epidemiologists & others assigned to PM units:

MAY 1 – 12, 2000

OCT 16 – 27, 2000

MAY 7 – 18, 2001

OCT 15 – 26, 2001

Medical Entomology and Pest Management Technology (Reserve Training) (B-322-1050):

JUN 5 – 16, 2000

JUL 10 – 21, 2000

FEB 5 – 16, 2001

JUN 4 – 15, 2001

JUL 16 – 27, 2001

2. For information on the following courses, contact HM1(SW) Compton, NDVECC, 19950 Seventh Ave., NE, Suite 201, Poulsbo, WA 98370-7405, Tel: (360) 315-4450, Fax: 4455, DSN Prefix 322, E-mail: postmaster@ndvecc.navy.mil. Unless otherwise noted, classes are conducted at the Navy Disease Vector Ecology and Control Center, Bangor, WA.

Medical Entomology and Pest Management Technology (Preventive Medicine Technician Certification) (B-322-1050) For PMTs Only With Elapsed DoD Category 8 Certification:

JUN 12 – 23, 2000

Pesticide Applicator Training (Core) (B-322-1070), Instruction for Initial Certification:

SEP 12 – 22, 2000

Plant Pest and Vegetation Management (B-322-1071), Initial Certification for Categories 2, 3, 5 & 6:

SEP 22 – 27, 2000

Arthropod and Vertebrate Pest Management

(B-322-1072), Initial Certification for Categories 7 & 8:

SEP 27 – OCT 6, 2000

Recertification Course (B-322-1074), Category 8:

APR 25 – 28, 2000\*

AUG 22 – 25, 2000

DEC 12 – 15, 2000

\*NEPMU-5, San Diego, CA

Operational Entomology Training (B-322-1077), Recertification in DoD Category 8 is available as part of the course. Note: Reservists who have attended CIN: B-322-1050 and whose certification has not expired may attend this course.

MAY 15 – 26, 2000\*

\*Okinawa, Japan

Shipboard Pest Management (B-322-1075):

NDVECC(B)

MAY 3, 2000

JUL 5, 2000

SEP 6, 2000

NOV 1, 2000



## **AIR FORCE SPONSORED COURSES**

1. For information on the following courses, contact Mr. Dale Hess, 366 TRS/TRRT, 727 Missile Road, Sheppard AFB, TX 76311-2254, DSN: 736-5790, Fax: 736-6175. Classes are conducted at Sheppard AFB, TX. Quotas are obtained through the Unit or MAJCOM Training Managers.

**Pest Management Certification - J3AZR3E453-003** is a four-week training course that meets the basic requirement for initial certification training under DoD 4150.7-M, Plan for Certification of Pesticide Applicators of Restricted Use Pesticides. Achievement of the minimum passing scores satisfies the formal training and testing requirement for initial certification in the core phase of pest control and pest control Category 3, Ornamental and Turf; Category 5, Aquatic; Category 6, Right-of-Way; Category 7, Industrial, Institutional, Structural, and Health-Related; and Category 8, Public Health. This course DOES NOT satisfy the OJT and correspondence course requirements for certification. All DoD personnel who have held DoD certification in one or more pest control categories but cannot meet the requirements for triennial recertification, according to DoD 4150.7-M, are eligible to attend. Personnel who possess current certification are NOT eligible to attend this course.

AUG 30 – SEP 27, 2000

**Pest Management Recertification - J3ARR3E453-002** is a one-week course that meets the basic requirements for recertification training under DoD 4150.7-M, Plan for Certification of Pesticide Applicators of Restricted Use Pesticides. Achievement of the minimum passing scores satisfies the formal training requirements for recertification in the core phase of pest control and pest control Category 3, Ornamental and Turf; Category 5, Aquatic; Category 6, Right-of-Way; Category 7, Industrial, Institutional, Structural, and Health-Related; and Category 8, Public Health. Students are allowed to return to duty after testing in only the core phase and in the categories in which they hold initial certification. Only DoD personnel who require triennial recertification to apply restricted use pesticides are eligible to attend. Personnel should be within one year of expiration of their DD Form 1826.

MAY 8 – 12, 2000

JUN 12 – 16, 2000

JUL 17 – 21, 2000

2. For information on the following course, contact Capt Armando Rosales, USAF School of Aerospace Medicine, Brooks AFB, TX 78235-5123, Tel: (210) 536-3734, DSN Prefix 240, e-mail: <armando.rosales@brooks.af.mil>. Information is also available on the WWW at: <<http://wwwsam.brooks.af.mil/web/eh/html/bugs.htm>>.

**Operational Entomology Course (OEC) - #B30ZY43M3-000** is a two-week training course that builds individual capabilities to perform surveillance and control for disease vectors that significantly impact military missions during war or operations other than war. Emphasis is placed on preventing vector-borne disease morbidity and mortality. Instruction includes vector biology, vector-borne disease, surveillance techniques, risk assessment, and control strategies. The OEC provides academic instruction, practical exercises, and field experience. Additional details can be obtained from the USAFSAM/PH Web page at:

<<http://wwwsam.brooks.af.mil/web/eh/entomology/usafento.htm>>. The OEC is evaluated for 64 CME credits for officers and four CCAF credits in biology for enlisted personnel.

*Prerequisites:* Students must fully qualify for worldwide deployment and have no medical condition limiting full participation in the field portion of the course. The course is open to active duty, ANG, and AFRC personnel with AFSCs of 4E0X1, 4S0X1 (SEI 496), 3E4X3, 43H3, 43M3, 48A3, and 48P3, or their DoD equivalents, and other personnel with consent of the faculty. Priority is given to active duty personnel assigned to mobility positions or from installations with a high risk of vector-borne disease. Enlisted personnel must be E-4 or higher. Officers must be fully qualified in their AFSC and have a minimum of one year of service.  
ECL 80 SA.

*Special Requirements:* The uniform for military students is BDUs, coveralls for civilians. Individuals allergic to bee stings or other venomous arthropods should bring an anaphylaxis emergency kit. The training office or student must provide the Course Supervisor, DSN 240-3734, with a telephone contact for the student.

MAY 15 – 26, 2000

OCT 16 – 27, 2000

MAR 19 – 30, 2001

JUN 4 – 15 2001

SEP 10 – 21 2001

3. For information on the following courses, contact Ms. June Brewer, 910 AW, YARS, Vienna, OH 44473-0910, Tel: (330) 609-1111/1178, Fax: (330) 609-1616, DSN Prefix 346. Information is also available on the WWW at: [\*\*<http://w3.afrc.af.mil/units/910aw/aerial\\_spray/aerialspray/index.htm>\*\*](http://w3.afrc.af.mil/units/910aw/aerial_spray/aerialspray/index.htm).

Aerial Application of Pesticides (Certification) - #AAP-01 is a one-week course that addresses the tenets and methodologies for aerial application of pesticides, with an emphasis on operational aspects and military applications. The primary scope of the course includes general principles, legal aspects, contracts, map types and preparation, spray system calibrations, aerial spray math, DoD spray systems, meteorological effects, occupational health and safety, operations and mission support, disease control, pilot's view, private applicator's view, environmental aspects, computer modeling, swath and droplet characterization, pesticide monitoring, public relations, contingency wartime usage, spill prevention and containment, and other pertinent operational issues involving the use of aerial spray. The course features guest lecturers from the U.S. Army, U.S. Navy, U.S. Department of Agriculture, private applicator firms, and other government agencies. It is offered once each June. JUN 5 – 9, 2000

**APPENDIX B*****DoD Stock Listed Pesticides*****As of APRIL 1, 2000**

<b>NSN 6840</b>	<b>Item (Alternative Trade Name)</b>	<b>Unit Package</b>	<b>AAC</b>	<b>Price</b>	<b>Unit Issue</b>	<b>Users</b>
00-063-3981	Algaecide, Copper Sulfate, 80.16% pentahydrate, crystal (Cuprose)	50-lb bag	L	----- -	BG	A,F
00-281-2724	Fungicide, Wood Preservative, copper naphthenate mixture (COP-R-NAP)	55-gal drum	J	<b>1193.49</b>	DR	A,N
00-282-0971	Fungicide, Wood Preservative, copper naphthenate mixture (COP-R-NAP)	5-gal co	D	<b>201.90</b>	CO	A,N,F,M
01-209-6298	Fungicide, Wood Preservative, copper naphthenate mixture (COP-R-NAP RTU)	5-gal co	L	-----	CO	A
01-360-4741	Fungicide, Methylisothiocyanate (MITC-FUME) *** <b>RESTRICTED USE PESTICIDE</b> ***	18 tubes	L	-----	CO	A,N,F,M
01-457-6588	Fungicide, Methyl Azoxystrobin, 50% (Heritage)	(6) 1- lb. cont.	J	2100.00	BX	A,N,F,M
00-027-6467	Herbicide, Borate-Bromacil mixture, 94% sodium metaborate tetrahydrate, 4% bromacil, granular (Borocil IV)	50-lb bag	V	<b>115.09</b>	BG	A,N,F
00-392-7593	Herbicide, Bromacil, 21.9% lithium salt of bromacil, liquid (Hyvar X-L)	(2) 2.5-gal co	D	<b>312.17</b>	BX	A,N,F,M
00-181-7106	Herbicide, Bromacil, 40.8%, water soluble liquid (Bromax-4L)	5-gal drum	D	<b>681.13</b>	DR	A,N,F
01-408-9079	Herbicide, Bromacil, 40.8%, wettable powder (Hyvar X)	(12) 4-lb bags	H	<b>1007.94</b>	BX	A,N,F,M
00-684-8975	Herbicide, Chlorate-Borate mixture, 30% sodium chlorate, 68% sodium metaborate tetrahydrate, granular (Monobor Chlorate)	50-lb bag	Z	<b>61.97</b>	BG	A,N,F
01-005-7523	Herbicide, Diquat, 35.3%, water soluble liquid (Reward)	1-gal co	D	<b>115.52</b>	GL	F
00-815-2799	Herbicide, Diquat, 35.3%, water soluble liquid (Reward)	(2) 2.5-gal co	D	<b>575.79</b>	BX	A,N,F
01-341-9346	Herbicide, Diuron, minimum 80% diuron, granular	25-lb bag	Z	<b>115.00</b>	BG	A,N,F
00-001-7710	Herbicide, Diuron-Bromacil mixture, 40% bromacil, 40% diuron, granular (Krovar I DF)	6-lb bag	D	<b>70.06</b>	BG	A,N,F
01-108-9578	Herbicide, Isopropylamine salt of glyphosate, 41%, water soluble liquid (Roundup Pro)	(2) 2.5-gal co	D	<b>254.69</b>	BX	A,N,F
01-388-0142	Herbicide, Isopropylamine salt of glyphosate, 41%, water soluble liquid (Roundup Pro)	30-gal drum	Z	<b>1557.61</b>	DR	A,N,F

01-356-8893	Herbicide, Isopropylamine salt of glyphosate, 41%, water soluble liquid (Rodeo)	(2) 2.5-gal co	D	<b>629.53</b>	<b>BX</b>	A,N,F,M
01-377-7113	Herbicide, Isopropylamine salt of glyphosate, 0.96%, water soluble liquid (Roundup Ready-to-Use)	24-oz pump spray bottle	D	<b>5.28</b>	<b>BT</b>	F
01-399-0673	Herbicide, Isopropylamine salt of glyphosate, 0.96%, water soluble liquid (Roundup Dry Pack)	25 pkg.	D	<b>76.95</b>	<b>BX</b>	A,N,F,M
01-356-8902	Herbicide, Isopropylamine salt of imazapyr, 27.6% (Arsenal)	(2) 2.5-gal co	D	<b>1418.27</b>	<b>BX</b>	A,N,F,M
01-318-7417	Herbicide, Oryzalin, 40% (Surflan A.S.)	1-gal bot	L	-----	<b>GL</b>	A,N,F,M
00-145-0013	Herbicide, Prometone, 25% prometone, emulsifiable concentrate (Pramitol 25E)	5-gal can	D	<b>94.88</b>	<b>CN</b>	A,F
01-319-2890	Herbicide, Tebuthiuron (Spike 80W)	4-lb bag	L	-----	<b>BG</b>	A,N,F,M
01-457-6576	Herbicide, Tebuthiuron-Diuron, 1% Tebuthiuron, 3% Diuron (Spraykil SK-13)	40 lb. container	J	<b>90.48</b>	<b>CO</b>	A,N,F,M
00-577-4194	Herbicide, 2,4-Dichlorophenoxy-acetic acid (2,4-D), oil miscible/water emulsifiable liquid (low volatile ester form)	(2) 2.5-gal co	H	<b>107.03</b>	<b>BX</b>	A,N,F,M
00-664-7060	Herbicide, 2,4-Dichlorophenoxy-acetic acid (2,4-D), water soluble liquid (amine salt form)	(2) 2.5-gal co	H	<b>104.55</b>	<b>BX</b>	A,N,F,M
01-377-7110	Herbicide, 2,4-Dichlorophenoxy-acetic acid (2,4-D), 0.4%, water soluble liquid (amine salt form) (Weed-B-Gon)	24-oz pump spray bottle	D	<b>6.33</b>	<b>BT</b>	F
00-753-4963	Insect Repellent, clothing application, 75% DEET, 25% ethanol	2-oz bottle	D	<b>1.38</b>	<b>BT</b>	A,N,F,M
01-278-1336	Insect Repellent, clothing application, aerosol (Permethrin Arthropod Repellent)	(12) 6-oz cans	D	<b>38.41</b>	<b>BX</b>	A,N,F,M
01-284-3982	Insect Repellent, personal application, (3M/EPA 58007-1)	(12) 2-oz tubes	D	<b>34.32</b>	<b>BX</b>	A,N,F,M
01-334-2666	Insect Repellent, clothing application, 40% permethrin, liquid (2-Gal sprayer)	(12) 151-ml bot	D	<b>159.30</b>	<b>BX</b>	A,N,F,M
01-137-8456	Insect Repellent, personal application, 3% benzocaine, 10% precipitated sulfur (Chigg-Away)	188-ml bot	D	<b>2.72</b>	<b>BT</b>	A,N,F,M
01-288-2188	Insect Repellent, personal application & sunscreen, 20% DEET/SPF15 (Sunset)	(12) 2-oz tubes	D	<b>42.82</b>	<b>BX</b>	A,N,F
01-452-9582	Insect Repellent, personal application & sunscreen, 20% DEET/SPF15 (Sunset)	320 packets	D	<b>325.28</b>	<b>BX</b>	A,N
01-345-0237	Insect Repellent, clothing application, permethrin (IDA)	12 kits	D	<b>42.77</b>	<b>BX</b>	A,N,F,M
00-142-8965	Insect Repellent, personal application, 30% DEET (Cutter Insect Repellent Stick)	(12) 1-oz sticks	D	<b>34.70</b>	<b>BX</b>	A,N,F
00-145-0016	Insecticide, Aluminum phosphide, 55 % tablets (Phostoxin/Fumitoxin) <b>***RESTRICTED USE PESTICIDE***</b>	100 tablets	D	<b>20.31</b>	<b>CN</b>	A,N,F
00-442-	Insecticide, Aluminum phosphide, 55 %	1660 pellets	D	<b>27.17</b>	<b>BT</b>	A,N,F

5698	tablets (Phostoxin/Fumitoxin) *** <b>RESTRICTED USE PESTICIDE</b> ***					
01-377-7049	Insecticide, <i>Bacillus thuringiensis</i> , 10% (Bactimos Briquets)	100 Briquets	D	<b>71.85</b>	<b>BX</b>	A,N,F,M
00-180-6069	Insecticide, Baygon, 1% propoxur, liquid (Roach and Ant Spray)	1-gal can	V	<b>10.72</b>	<b>GL</b>	A,N,F,M
01-287-3938	Insecticide, Boric Acid, aerosol ( Perma-Dust)	(12) 9 oz cans	D	<b>63.58</b>	<b>BX</b>	A,N,F
00-932-7297	Insecticide, Carbaryl, 80%, water dispersible powder (Sevin 80S)	(5) 10-lb bags	H	<b>262.29</b>	<b>BX</b>	A,N,F
01-104-0887	Insecticide, Carbaryl, 42.6%, liquid (Carbaryl 4L)	(2) 2.5-gal co	D	<b>153.10</b>	<b>BX</b>	F
01-033-4481	Insecticide, Carbaryl, 5%, dust (Sevin 5% dust)	(12) 4-lb bags	D	<b>153.68</b>	<b>BX</b>	A,N,F
01-313-7359	Insecticide, Cyfluthrin (Tempo 2EC)	(12) 240-ml bot	D	<b>489.03</b>	<b>BX</b>	A,N,F,M
01-383-6251	Insecticide, Cyfluthrin (Tempo 20WP)	(288) 9.5-g pack	D	<b>380.00</b>	<b>BX</b>	A,N,F,M
01-390-4822	Insecticide, Cypermethrin (Demon WP)	1-lb jar	J	<b>57.76</b>	<b>LB</b>	A,N,F,M
01-431-3345	Insecticide, Deltamethrin (Delta Dust)	1-lb co	D	<b>11.45</b>	<b>LB</b>	A,N,F,M
00-753-5038	Insecticide, Diazinon, 2%, dust	25-lb can	D	<b>30.30</b>	<b>CN</b>	A,N,F,M
00-782-3925	Insecticide, Diazinon, 47.5%, emulsifiable concentrate	1-gal can	D	<b>40.25</b>	<b>GL</b>	A,N,F,M
00-142-9438	Insecticide, Dichlorvos, 20% (plastic strips)	48 strips	D	<b>181.01</b>	<b>BX</b>	A,N,F,M
01-412-4634	Insecticide, D-Phenothrin, 2%, aerosol	12-oz can	D	<b>6.40</b>	<b>CN</b>	A,N,F,M
01-067-2137	Insecticide, D-trans Allethrin and Resmethrin, 0.15% and 0.2% minimum, respectively, aerosol	11-oz can	D	1.79	<b>CN</b>	A,N,F,M
01-122-2651	Insecticide, Dursban, 42% chlorpyrifos, emulsifiable concentrate (Dursban 4E)	1-gal can	D	<b>114.87</b>	<b>GL</b>	N,F,M
01-338-6003	Insecticide, Dursban, 20% chlorpyrifos, microencapsulated (Empire 20)	1-pint co	D	<b>24.86</b>	<b>PT</b>	A,N,F,M
01-270-9766	Insecticide, Dursban, 42.8% chlorpyrifos, emulsifiable concentrate (Dursban TC/CYREN PRO Termite Conc.)	(4) 1-gal co	D	<b>262.17</b>	<b>BX</b>	A,N,F,M
00-402-5411	Insecticide, Dursban, 42% chlorpyrifos, emulsifiable concentrate (Dursban 4E)	5-gal can	D	<b>482.02</b>	<b>CN</b>	A,N,F,M
01-203-6161	Insecticide, Dursban, 19.36% chlorpyrifos, liquid (Mosquitomist 1.5 ULV)	5-gal can	D	<b>279.20</b>	<b>CN</b>	A,N,F,M
01-338-2487	Insecticide, Dursban, 0.5% chlorpyrifos, aerosol (Engage)	(12) 20-oz cans	D	<b>85.72</b>	<b>BX</b>	A,N,F,M
01-412-4361	Insecticide, Dursban, 20% chlorpyrifos, emulsifiable concentrate (Dursban Pro)	1-pint co	H	<b>9.70</b>	<b>PT</b>	A,N,F,M
01-087-	Insecticide, Ficam, 76% bendiocarb, wet-	1-lb jar	D	<b>76.88</b>	<b>LB</b>	A,N,F,M

6672	table powder (Ficam)					
01-183-7244	Insecticide, Fly Bait, 1% methomyl (Apache/Golden Malrin)	5-lb can	D	<b>18.17</b>	<b>CN</b>	A,N,F,M
01-287-3913	Insecticide, Hydramethylnon (Amdro Fire Ant Bait)	(24) 6-oz bot	L	-----	<b>BX</b>	A,N,F,M
<b>01-398-6799</b>	Insecticide, Hydramethylnon (Siege Gel Bait)	<b>4-30 gm res-ervoirs</b>	J	<b>12.98</b>	<b>BX</b>	<b>A,N,F,M</b>
01-424-2494	Insecticide, Fenoxycarb {Logic (Award Brand of Logic)}	25-lb bag	J	<b>244.74</b>	<b>BG</b>	A,N,F,M
01-224-1269	Insecticide, Fipronil, cockroach, large size (Combat Quick Kill)	8 bait stations/ box/ 12 boxes	D	<b>82.96</b>	<b>PG</b>	A,N,F,M
01-180-0167	Insecticide, Fipronil, cockroach, regular size (Combat Quick Kill)	12 bait sta-tions/ box/ 12 boxes	D	<b>80.41</b>	<b>PG</b>	A,N,F,M
<b>01-471-5650</b>	<b>Insecticide, Fipronil (Maxforce Roach Killer Bait Gel)</b>	<b>4-30 gram reservoirs/box</b>	<b>D</b>	<b>17.00</b>	<b>BX</b>	<b>A,N,F,M</b>
01-298-1122	Insecticide, Fipronil (Maxforce Ant Bait)	96 stations	D	<b>116.40</b>	<b>PG</b>	A,N,F,M
01-318-7416	Insecticide, Hydroprene, emulsifiable con-centrate (Gentrol IGR)	(10) 1-oz bot	D	<b>95.57</b>	<b>BX</b>	A,N,F,M
01-457-6580	Insecticide, Imidacloprid, 5% granular (Merit 0.5 g)	30 lb. bag	J	50.00	<b>BG</b>	A,N,F,M
01-428-6646	Insecticide, Lambda-cyhalothrin, 9.7% (Demand CS)	(8) 8 oz bottle	J	<b>284.87</b>	<b>BX</b>	A,N,F,M
01-431-3357	Insecticide, Lamda-cyhalothrin (Demand Pesttab)	40 tablets	D	<b>71.57</b>	<b>CO</b>	A,N,F,M
00-655-9222	Insecticide, Malathion, 57.0%, emulsifiable concentrate, class 1	1-gal co	D	<b>33.75</b>	<b>GL</b>	A,N,F,M
00-685-5438	Insecticide, Malathion, 57.0%, emulsifiable concentrate, class 1	5-gal can	D	<b>129.20</b>	<b>CN</b>	A,N,F,M
00-926-1481	Insecticide, Malathion, 95%, liquid, grade B	54-gal drum	D	<b>1697.60</b>	<b>DR</b>	A,N,F,M
01-169-1842	Insecticide, Malathion, 95%, liquid, grade B	5-gal can	D	<b>194.12</b>	<b>CN</b>	A,N,F,M
01-424-2495	Insecticide, Methoprene (Altosid XR Bri-quets)	220 Briquets	D	<b>705.80</b>	<b>BX</b>	A,N,F,M
01-424-2493	Insecticide, Methoprene (Altosid SR-20 Liquid Larvicide)	(2) 2.5-gal co	J	<b>4905.24</b>	<b>BX</b>	A,N,F,M
01-426-5472	Insecticide, N-ethyl perfluorooctane sul-fonamide (Advance Dual Choice)	<b>36</b> stations	D	<b>31.66</b>	<b>PG</b>	A,N,F,M
01-270-9765	Insecticide, Naled, 85%, liquid (Dibrom)	30-gal drum	J	<b>3276.93</b>	<b>DR</b>	A,N,F
00-597-6111	Insecticide, Naphthalene, ball form	1-lb box	<b>D</b>	<b>7.61</b>	<b>LB</b>	A,N,F,M
<b>01-467-0994</b>	<b>Insecticide, Nithiazine, Fly Strips (Quik-strike), 2 strips per package</b>	<b>(12) Pkg./box</b>	J	<b>168.00</b>	<b>BX</b>	<b>A,N,F</b>
00-174-1825	Insecticide, P-Dichlorobenzene, crys-tal/flake	100-lb drum	Z	<b>421.85</b>	<b>DR</b>	A,N,F
00-174-	Insecticide, P-Dichlorobenzene, crystal	1-lb can	J	<b>6071</b>	<b>LB</b>	A,N,F,M



1824	<b>GSA</b>					
01-318-7415	Insecticide, Propetamphos, 50% (Catalyst)	(8) 3.2-oz bot	<b>D</b>	<b>32.62</b>	<b>BX</b>	A,N,F,M
01-104-0780	Insecticide, Pyrethrins, 3% pyrethrins with synergists, liquid (ULV fog concentrate)	1-gal bot	D	<b>75.35</b>	<b>GL</b>	A,N,F,M
00-459-2443	Insecticide, Pyrethrins, allethrin, d-phenothrin, or resmethrin, aerosol ( Wasp Freeze/Wasp Stopper II Plus)	(12) 12-oz cans	D	<b>57.95</b>	<b>BX</b>	A,N,F,M
00-823-7849	Insecticide, Pyrethrin, aerosol (PT 565 Plus XLO)	(12) 12-oz cans	D	<b>116.70</b>	<b>BX</b>	A,N,F
01-359-8533	Insecticide, Resmethrin (Scourge)	5-gal can	<b>D</b>	<b>397.51</b>	<b>CN</b>	A,N,F
01-457-6583	Insecticide, Spinosad, 11.6% (Conserve SC)	1 gal cont.	J	250.00	<b>GL</b>	A,N,F,M
01-424-3132	Insecticide, Temephos (Abate 4E)	2.5-gal co	J	<b>812.55</b>	<b>CO</b>	A,N,F,M
01-467-1029	Mosquito Larvicide and Pupicide (Agnique MMF)	(2) 2.5-gal co	<b>D</b>	<b>167.00</b>	<b>BX</b>	<b>A,N,F</b>
01-431-3352	Rodent Indicator Bait Blocks (Census Bait Blocks)	285 blocks	D	<b>54.34</b>	<b>CO</b>	A,N,F,M
00-089-4664	Rodenticidal Bait, Anticoagulant, 0.005% diphacinone	40 blocks	D	<b>47.96</b>	<b>BX</b>	A,N,F,M
00-753-4973	Rodenticidal Bait, Anticoagulant, 0.005-0.0055% diphacinone, pellets	5-lb can	V	<b>8.93</b>	<b>CN</b>	A,N,F
01-151-4884	Rodenticidal Bait, Anticoagulant, 0.005% bromadiolone (Maki), pellets	11-lb can	D	<b>28.89</b>	<b>CN</b>	A,N,F,M
01-426-4808	Rodenticidal Bait, Anticoagulant, 0.005% brodifacoum (Talon-G), pellets	10-lb can	<b>D</b>	<b>39.24</b>	<b>CN</b>	A,N,F,M
01-435-9320	Rodenticidal Bait, 2% zinc phosphide (ZP Rodent Bait) <b>***RESTRICTED USE PESTICIDE***</b>	(250) 7.5-g pkg.	J	<b>38.25</b>	<b>CO</b>	N
00-753-4972	Rodenticide, Anticoagulant, concentrate 0.106% sodium salt of diphacinone (LIQUA-TOXII)	50 pouches	D	<b>253.37</b>	<b>BX</b>	A,N,F,M
01-435-9318	Rodenticide, 10% zinc phosphide (ZP Tracking Powder) <b>***RESTRICTED USE PESTICIDE***</b>	(4) 500-g bot	J	<b>33.50</b>	<b>BX</b>	N

+User Code A=Army, N=Navy, F=Air Force, M=Marines SOS (DSCR-Richmond)=S9G

**\*ACQUISITION ADVICE CODES (ACC)**

- D. **DOD INTEGRATED MATERIAL MANAGER (IMM) STOCKED, AND ISSUED.** Issue, transfer, or shipment is not subject to specialized controls other than those imposed by the Integrated Material Manager/Military Service supply policy.
1. The item is centrally managed, stocked, and issued.
  2. Requisitions will be submitted in accordance with Military Service requisitioning procedures.
- G. **GENERAL SERVICES ADMINISTRATION (GSA) INTEGRATED MATERIAL MANAGED, STOCKED AND ISSUED.** Identifies GSA managed items available from GSA Supply Distribution Facilities. Requisitions and fund citations will be submitted in accordance with GSA/Military Service requisitioning procedures.
- H. **CENTRAL CONTRACT - NOT STOCKED ITEM.** Direct delivery under central contract #(non-stocked items) issue, transfer, or shipment is not subject to specialized controls other than those imposed by IMM/Service/Agency supply policy.
1. The item is centrally managed and procured.
  2. Normal issue is by direct shipment from the vendor to the user at the order of the ICP or IMM. However, orders for quantities less than the vendor's minimum order of quantity may be issued from stock by ICP or IMM supply distribution facilities.
  3. Requisitions and fund citations will be submitted in accordance with IMM/Service/Agency requisitioning procedures.
  4. Generally, delivery will be made within applicable Service/Agency guidelines addressing customer-required time frame.
- I. **DIRECT ORDERING FROM A CENTRAL CONTRACT/SCHEDULE.** Issue, transfer, or shipment is not subject to specialized controls other than those imposed by Integrated Material Manager/Military Service supply policy. The item is covered by a centrally issued contractual document, or by a multiple award Federal Supply schedule for GSA managed items, which permits using activities to place orders on vendors for direct delivery to the user.
- J. **NOT STOCKED, CONTROLLED PROCURED.** Identifies IMM/Military Service centrally managed but not stocked items. Long lead times must be anticipated, since procurement will be initiated only after receipt of a requisition. Requisitions will be submitted in accordance with IMM/Military Service requisitioning procedures.
- K. **CENTRALLY STOCKED FOR OVERSEAS ONLY.** Main means of supply is local purchase. Item is stocked in domestic supply system for those overseas activities unable to procure locally due to non-availability of procurement sources or where local purchase is prohibited. Requisitions will be submitted by overseas activities in accordance with Service/Agency requisitioning procedures. NOTE: CONUS activities will obtain supply support through local procurement procedures.

- L. **LOCAL PURCHASE.** IMM/Military Service managed items authorized for local purchase, as a normal means of support, by the Military Service, or base, post, camp, or station level. Items not stocked in wholesale distribution system of IMM/Military Service ICP. The local purchase forms authorized by the individual IMM/Military Service must be used. NOTE: GSA FSS items are included.
- V. **TERMINAL ITEM.** Identifies items in stock; but future procurement is not authorized. Requisitions may continue to be submitted until stocks are exhausted. Preferred items National Stock Number (NSN) normally provided by the application of the phrase, "When Exhausted Use (NSN)". Requisitions will be submitted in accordance with IMM/Military Service requisitioning procedures as applicable.
- X. **SEMIACTIVE ITEM-NO REPLACEMENT.** A potentially inactive NSN which must be retained in the supply system as an item of supply because (1) stocks of the item are on hand or in use below the wholesale level and (2) the NSN is cited in equipment authorization documents TO&E, TA, TM, etc. or in-use assets are being reported.
1. Items are authorized for central procurement but not authorized for stockage at wholesale level.
  2. Requisitions for in-use replacement will be authorized in accordance with individual Military Service directives.
  3. Requisitions may be submitted as requirements generate. Repetitive demands may dictate at ACC change to permit Wholesale stockage.
- Y. Y. **TERMINAL ITEM.** Further identifies AAC V items on which wholesale stocks have been exhausted. Future procurement not authorized.
1. Requisitions will not be processed to the wholesale suppliers.
  2. Internal Services' requisitioning may be continued in accordance with Military Service requisitioning policies.
- Z. **INSURANCE/NUMERIC STOCKAGE OBJECTIVE ITEM.** Items, which may be required occasionally or intermittently and prudence requires that a nominal quantity of material be stocked due to the essentiality or the lead-time of the item.
1. The item is centrally managed, stocked and issued.
  2. Requisitions will be submitted in accordance with IMM/Military Service requisitioning procedures.

## APPENDIX C

### ***DoD PEST MANAGEMENT MATERIEL OTHER THAN PESTICIDES, LISTING***

**As of APRIL 1, 2000**

#### **A. Disclaimer.**

1. The Pest Management Materiel List, Other Than Pesticides, paragraph C., below, does not constitute procurement authority for materiel listed herein. Use of trade names in this list is solely for the purpose of providing specified information to aid in the identification of specific products and does not imply endorsement of the products named or criticism of products not mentioned. Products mentioned in this list do not constitute a guarantee or warranty of these products by the Armed Forces Pest Management Board (AFPMB), the Military Departments, or the DoD.

2. Most of the pesticide dispersal equipment listed in paragraph C., below, should only be used by personnel (i.e. preventive medicine or installation pest control personnel) who have been formally trained and certified in accordance with DoD 4150.7-P, "The DoD Plan for the Certification of Pesticide Applicators, September 30, 1996 or DoD 4150.7-M, DoD Pest Management Training and Certification, April 24, 1997. All other personnel should not procure or use pesticide dispersal equipment unless specifically authorized by Service instructions, regulations, or directives.

3. This list is maintained, and periodically reviewed by the Armed Forces Pest Management Board's Pest Management Equipment Committee. Users are encouraged to submit notice of errors and additional information to the: Armed Forces Pest Management Board, Forest Glen Section, WRAMC, Washington, DC 20307-5001 and to Defense Supply Center Richmond (DSCR), ATTN: JDTA, 8000 Jefferson Davis Hwy, Richmond, VA 23297-5809.

#### **B. Purpose.**

The purpose of the Pest Management Materiel List, Other Than Pesticides, is to provide a descriptive reference of DoD standard available pest management equipment and materiel, other than pesticides.

#### **C. Pest Management Materiel, Other Than Pesticides Lists.**

1. Hand Sprayer, Pesticide, Manually Operated, Compressed Air. A manually carried piece of equipment that can discharge liquid pesticides by means of a hand-compressed pump in one, two, or three gallon capacities.

NSN	Item (Alternate Trade Name)	Cage	AAC*	Unit	U/I	Users+
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<b>3740-</b>		<b>Code</b>		<b>Price</b>		
00-191-3677	Sprayer, Pesticide, Manually Carried, 1 gallon stainless tank, with pressure gauge. Formerly MIL-S-14102, replaced by CID A-A-55748. Flow rate - 0.8 l/min. Current inventory on hand does not include a spare parts package. Future purchases will include three sets of spare parts including; crack and crevice tip assemblies, nozzle gaskets and O rings, plunger cups, check valves, and strainer/filters.	58536	D	131.53	EA	A,N,F,M
00-641-4719	Sprayer, Pesticide, Manually Carried, 2-gallon stainless tank with pressure gauge. Formerly MIL-S-14102 replaced by CID A-A-55748. Flow rate - 0.8 l/min, includes three sets of spare parts including crack and crevice tip assemblies, nozzle gaskets and O rings, plunger cups, check valves, and strainer/filters.	58536	D	140.11	EA	A,N,F,M
00-720-0465	Sprayer, Pesticide, Manually Carried, Model Sureshot A-2600, 2 pt capacity, steel tank, no accessories included. <b>GSA</b>	92997	G	41.82	EA	N,F
01-338-5390	Sprayer, Pesticide, Manually Carried, Whitmire System VII Single Pack, Part Number 21-0700, includes pouch for three pesticide product aerosols and a 10 foot memory coiled hose. Pesticide aerosols must be ordered separately.	67184	D	142.64	EA	A,N,F,M
01-332-8746	Gauge, Sprayer, Pesticide. Part Number 803-311, For retrofitting pressure gage on one and two-gallon compressed air sprayers listed above.	29670	D	7.71	EA	A,N,F,M
4330-01-332-1639	Fluid Filter, Gauge, Pesticide Sprayer. Part Number 146-605. For retrofitting pressure gauge NSN (listed above) to one and two gallon compressed air sprayers listed above. <b>S9C</b>	29670	D	3.13	EA	A,N,F,M

2. Duster, Pesticide, Manually Carried. Pest Control Equipment which disperses pesticide dust formulations via manually operated bellows, sifters or fans.

<b>NSN 3740-</b>	<b>Item (Alternate Trade Name)</b>	<b>Cage Code</b>	<b>AAC*</b>	<b>Price</b>	<b>U/I</b>	<b>Users+</b>
00-132-5935	Duster, Manually Carried, 5-10 lb. tank capacity. FEDSPEC RR-D-780C. Manually operated rotary fan type; accessories include one straight discharge nozzle, two non-flexible straight extension tubes (14" long) and one curved non-flexible tube (10" long). Flow rate - 10-50 lbs./hr, and wt 8 lbs. Used to treat rodent burrows for ectoparasite control.	81348	Z	144.86	EA	A,N,F,M
00-132-5936	Duster, Manually Carried, Tubular Pump, 1lb tank capacity. CID A-A-55555. Designed to apply dusts for spot treatment indoors and outdoors. Flow rate - 10-50 lb./hr, and wt 2.03 lbs. May be used to apply pesticides and rodenticides in rodent burrows.	58536	D	31.17	EA	A,N,F,M
01-441-5250	Centro Bulb Duster, bulb duster, Part Number 27920 and 28140 and 28120, consists of one 14oz bulb duster, with a straight metal nozzle, a 2 inch curved tip nozzle and a 12 inch extension with coupling.	9L921	J	34.54	KT	A,N,F,M

3. Sprayer and Duster, Pesticide, Manually Carried, Backpack. Designed to discharge either liquid or solid pesticides, under pressure, dispersed by means of a blower. Liquid particle discharge size is 50 to 100 microns. Tank/hopper size is variable.

<b>NSN 3740-</b>	<b>Item (Alternate Trade Name)</b>	<b>Cage Code</b>	<b>AAC*</b>	<b>Price</b>	<b>U/I</b>	<b>Users+</b>
01-463-0147	Sprayer-Duster, Pesticide, Backpack, STIHL Model SR400, gasoline engine driven, includes, granular spreader, ULV nozzle, and field parts kit. Tank size – 3.5 gal., 24.6" high X 18.9" wide X 11" deep, 24 lbs empty wt.	9Z575	D	570.32	EA	A,N,F,M
01-157-4000	Sprayer-Duster, Pesticide, Backpack, Solo Model 423, gasoline engine driven, 5 horsepower, 1.6 quart fuel tank, includes dusting attachment and set of dosage pieces, three gallon pesticide tank. Discharges mist 33 ft horizontally, and 25 ft vertically. 27" high X 18" wide X 12" deep weighs 25 lbs. empty. Note:	8T480	D	653.06	EA	A,N,F,M



	Echo Model DM9, formerly listed under this NSN is no longer available for procurement.					
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4. Sprayer, Hydraulic or Electric, Mist or Solid Stream, Pesticide, pushcart Mounted. A portable or push cart mounted Unit designed to disperse liquid pesticides as mists (50 to 100 microns) and solid streams by means of a gasoline engine driven or electrically driven pump.

<b>NSN 3740-</b>	<b>Item (Alternate Trade Name)</b>	<b>Cage Code</b>	<b>AAC*</b>	<b>Price</b>	<b>U/I</b>	<b>Users+</b>
01-019-4557	Sprayer, Pesticide, Pushcart Mounted, electric motor driven, 120V AC, Model Space III or CID A-A-52286 primarily used to control stored product pests. Mist, fine spray output – 0.5 to 3.5 oz per min, 5-gallon pesticide tank, operating pressure 4 PSIG, wt 176 lbs., shipping wt. 310 lbs.	58536	Z	4859.71	EA	A,N,F,M

5. Sprayer, Hydraulic or Electric, Mist or Solid Stream, Pesticide. A skid or frame mounted unit designed to disperse Liquid pesticides as mists (50 to 100 microns) and solid streams by means of a gasoline engine driven or electrically driven pump.

<b>NSN 3740-</b>	<b>Item (Alternate Trade Name)</b>	<b>Cage Code</b>	<b>AAC*</b>	<b>Price</b>	<b>U/I</b>	<b>Users+</b>
00-772-0090	Sprayer, Pesticide, Frame Mounted, mist and solid stream, gasoline engine driven, MIL-S-12511, 42” lg. X 26” wi X 30” hi, wt 174 lbs., 50 ft hose (0.375 inch internal diameter, and oil resistant), 5 horsepower engine, piston driven pump, 3GPM discharge rate, pressure gage, spray gun, discharge control valve, and two discharge hoses included. Pesticide tank not included. <b>A12/FLZ</b>	82254	W	<b>2753.00</b>	EA	A,F
00-916-6462	Sprayer, Pesticide, Frame Mounted, mist and solid stream, gasoline engine driven, Part No, 47500, Mil-S-12511, 42” lg. X 26” wi X 30” hi, wt 174 lbs., 50 ft hose (0.375 inch internal diameter, and oil resistant), 1.5 horsepower engine, piston driven pump, 3GPM discharge rate, pressure	82254 81349	C	5839.00	EA	A,F

	gage, spray gun, discharge control valve, and two discharge hoses included. Pesticide tank not included. <b>A12/FLZ</b>					
00-993-4000	Sprayer, Pesticide, Frame Mounted, mist and solid stream, Part No CSR47500A, Mil-S-12511, 42" lg. X 26" wi X 30" hi, wt 174 lbs., 50 ft hose, (0.375 inch internal diameter, and non-oil resistant), 4.0 horsepower engine, piston driven pump, pressure gage, spray gun, discharge control valve, and one discharge hoses included. 3 GPM discharge rate. Pesticide tank not included. <b>A12</b>	82254 81349	C	5839.00	EA	A
01-053-0127	Sprayer, Pesticide, Skid Mounted. FMC Model DM10E200SRK, Part No. 5268191. Modular constructed sprayer with a 200-gallon tank.	50492	J	7631.99	EA	A
01-211-7226	Sprayer, Pesticide, Frame, Mounted, gasoline engine driven, MIL-S-12511, 51" X 15" X 19", wt 100 lbs. Flow rate – 3GPM at 300 PSI operating pressure. Pesticide tank not included.	81349	C	995.00	EA	A
01-454-1981	Pesticide Sprayer, Electric, Liquid (SPEL), AG 25 Sprayer, battery/electric, solid stream sprayer, 25 gal plastic tank, 15 ft hose, .0375 in inside diameter hose, wt. 25.6 lbs., L 29 ½" x W 20"x Ht16."	03JL1	J	401.08	EA	A,N,F,M
01-026-9162	Sprayer, Pesticide, Skid Mounted, gasoline engine driven, SMITHCO Part No 7830-MH, 200 gallon, fiber glass tank, wt 825 lbs. Flow rate - 10 GPM at 425 PSI, 5.75 horsepower, mist and solid stream, piston pump, 100 foot, 0.05 inch inside diameter, abrasion and weather resistant hose.	61684	Z	3699.66	EA	A,F

6. Sprayer, Hydraulic or Electric, Mist or Solid Stream, Pesticide, Trailer Mounted. A trailer mounted unit designed to Disperse liquid pesticides as mists (50 to 100 microns) and solid streams by means of a gasoline engine driven or electrically driven pump.

<b>NSN 3740-</b>	<b>Item (Alternate Trade Name)</b>	<b>Cage Code</b>	<b>AAC*</b>	<b>Price</b>	<b>U/I</b>	<b>Users+</b>
00-166-2910	Sprayer, Roto Mist, Fine Spray, 4 Wheel Trailer Mounted, FMC Model 303T, blower diameter 40 inches, air volume 60000 CFM, air volume 95 MPH, blower rpm 2200, pump capacity 20 GPM, pump pressure 0-400 lbs., 300 gallon tank. <b>A12/FLZ</b>	06350	L	8430.00	EA	A,F
00-901-0720	Sprayer and Duster, Pesticide, Trailer Mounted, gasoline engine driven, MIL-S-23923D, Type A, 10 gallons or 100 lb. tank capacity, 10 horsepower, 2 wheel, pneumatic, rubber tire trailer, mist sprayer, 10000 CFM discharge rate at 150 MPH.	81349	J	16541.82	EA	A,N,F
00-925-9594	Sprayer, Pesticide, Trailer Mounted, gasoline engine driven, MIL-S-82068, size B, 500 gallon tank, flow rate - 25 GPM at 700 PSI, 168" X 75" X 80", wt 1800 lbs., 18 horsepower, 2 wheel, pneumatic, rubber tire trailer, mist and solid stream, piston pump, includes 2 spray guns, 200 feet of 0.50 inch diameter, abrasion and weather resistant hose.	81349	J	17969.41	EA	A,N,F
00-925-9598	Sprayer, Pesticide, Trailer Mounted, gasoline engine driven, MIL-S-82068C, size C, 200 gal steel tank, 5.75 horsepower, 2 wheel, pneumatic, rubber tire trailer, mist and solid stream, 1 discharge nozzle, piston pump, flow rate – 10 GPM discharge rate at 425 PSI, 100 foot 0.50 inch inside diameter, abrasion and weather resistant hose.	81349	J	9336.16	EA	A,N,F
01-413-9095	Sprayer, Pesticide, Trailer Mounted, gasoline engine driven, FIMCO P/N TTS250, 200 gallon polyethylene tank, flow rate - 16 to18 GPM at 30 to50 PSI, 5 horsepower, 8 roller pump, 2 wheel, pneumatic tire trailer, 100 ft hose, high pressure, 3/8" inside diameter hose & Model 43H, trigger, aluminum handgun.	1B437	J	3351.55	EA	A,N,F

7. Sprayer, Pesticide, Fog/Aerosol Generator (ULV/ULD), Manually Carried. A manually carried unit designed to disperse liquid pesticides under pressure by means of gasoline engine

driven or electrically driven pump and/or blower. Generates liquid particles in the size range of 0.1 to 50 microns. Excludes sprayers having a dust dispersal attachment. May have a combustion chamber for heating air.

<b>NSN 3740-</b>	<b>Item (Alternate Trade Name)</b>	<b>Cage Code</b>	<b>AAC*</b>	<b>Price</b>	<b>U/I</b>	<b>Users+</b>
00-818-6648	Fog Generator, Manually Carried, gasoline engine driven, thermal fog, Curtis Dyna Model 2610 Golden Eagle. Provides indoor/outdoor thermal fog for mosquito and fly control, 52" X 9.5" X 25.5", wt 19 lbs., 1 gallon pesticide tank. Flow rate - 5 GPH at 6 psi, adjustable shoulder strap included.	82254	Z	1022.18	EA	A
01-206-9636	Sprayer, Manually Carried, DC (rechargeable battery), Ulva Fan, Dram Model MK2, Ultra Low Volume. Flow rate - 60 ml/min at 3 PSIG, 0.5-liter plastic pesticide reservoir, and wt 3.25 lbs. with out battery.	3W681	D	428.34	EA	A,N,F,M
01-456-2625	Fogger, Hand Held, gasoline engine driven, ULV, London Fog Eliminator, PN# 8100, 25" long X 20 1/2" high X 10 1/2" wide, 24 lbs. empty wt. Normal dry fog rate is 5-6 gph.	56215	J	1045.00	EA	A,N,F,M
01-456-2622	Fogger, Hand Held, gasoline engine driven, ULV, London Aire Colt. PN# 8675, 14" long X 11" wide X 12" high, 19 lbs. empty wt. Flow rate - 0-4 oz per minute.	56215	J	1495.00	EA	A,N,F,M
01-456-2623	Fogger, Hand Held, gasoline engine driven, ULV, Clarke P-1, PN# L7800-001, 17 lbs. empty wt.	65183	J	1400.00	EA	A,N,F,M

8. Sprayer, Pesticide, Fog/Aerosol Generator (ULV/ULD), Pushcart Mounted. A push cart mounted unit designed to Disperse liquid pesticides under pressure by means of gasoline engine driven or electrically driven pump and/or blower. Generates liquid particles in the size range of 0.1 to 50 microns. Excludes sprayers having a dust dispersal attachment. May have a combustion chamber for heating air.

<b>NSN 3740-</b>	<b>Item (Alternate Trade Name)</b>	<b>Cage Code</b>	<b>AAC*</b>	<b>Price</b>	<b>U/I</b>	<b>Users+</b>
01-019-4557	Sprayer, Pesticide, Pushcart Mounted, CID A-A-5286, Micro-Gen Model SpaceIII, electric powered, 120 volt, 60	58536 52987	Z	4859.71	EA	A,N,F,M

	Hz, 3 phase motor, 1 horsepower, 4 wheel hand pushed, 48" X 24" X 42", 5 gallon tank, wt 176 lbs.					
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9. Sprayers, pesticide, fog/aerosol generator (ULV/ULD), skid mounted. A skid mounted unit designed to disperse liquid Pesticides under pressure by means of gasoline engine driven or electrically driven pump and/or blower. Generates liquid particles in the size range of 0.1 to 50 microns. Excludes sprayers having a dust dispersal attachment. May have a combustion chamber for heating air.

<b>NSN 3740-</b>	<b>Item (Alternate Trade Name)</b>	<b>Cage Code</b>	<b>AAC*</b>	<b>Price</b>	<b>U/I</b>	<b>Users+</b>
00-375-9154	Fog Generator, Skid Mounted, gasoline engine driven, Grizzly PDS, 53" lg. X 31" wi X 37" ht, wt 456 lb. empty, 18 horsepower engine, positive displacement blower w/6 psi max pressure, 5 gallon polystyrene pesticide tank.	24885	J	2490.24	EA	A,N,F,M
01-206-9635	Sprayer, Pesticide, Skid Mounted, Beecomist Model Pro Mist 15MP, ULV, DC driven, wt 95 lb., includes vehicle wiring installation kit (PN A4006), vinyl cover (PN AE550), and 12 volt battery.	65387	D	7913.64	EA	N,F,M
01-445-8380	AGULVE, Sprayer, Pesticide, Skid Mounted, Beecomist Model Pro Mist 15MP with an aluminum frame, ULV, DC driven, wt 95 lb., includes vehicle wiring installation kit (PN A4006), and repair parts kit (PN A0532.2)	19204&65387	D	<b>4293.10</b>	EA	A,N,F,M
01-141-2557	Aerosol Generator, Pesticide Skid Mounted, Curtis Dyna Model 2740 Series II, 15 gallon tank, 48" X 41" X 35", wt 495 lbs.	82254	D	4861.52	EA	A,F,M

10. Sprayer, Pesticide, Aerial Application Unit, Liquid or Dry Pesticide. Designed for use with rotary wing aircraft. Units May be electric or gasoline engine driven and internally or externally mounted. Units may be equipped with booms.

<b>NSN 3740-</b>	<b>Item (Alternate Trade Name)</b>	<b>Cage Code</b>	<b>AAC*</b>	<b>Price</b>	<b>U/I</b>	<b>Users+</b>
01-206-9614	Dispersal Unit, Insecticide, Model PAU-9/A. Unit is currently restricted to internal mounting in a UH1H helicopter air-	65388	X	18122.90	EA	N

	frame.					
01-262-8707	Pesticide Dispersal Unit (PDU), Multicapacity, Part No 96800, helicopter slung, low volume liquid spray system, ULV Spray System and Solid (Granular) Dispersal System, 150 gallon tank capacity.	52905	J	85584.62	EA	A

11. Trap, Insect, to include light traps and insect bait boxes.

<b>NSN 3740-</b>	<b>Item (Alternate Trade Name)</b>	<b>Cage Code</b>	<b>AAC*</b>	<b>Price</b>	<b>U/I</b>	<b>Users+</b>
00-134-9229	Trap, Insect, Portable, Battery Operated, Hausherr's Model CDC, battery operated, cylindrical, w/14.5 inch diameter aluminum cover. <b>S9M</b>	30286	L	82.93	EA	A,N,F
00-607-0337	Trap, Mosquito Light, New Jersey. Used to collect mosquitoes where 110V power source is available. 14" X 9.5", wt 9.5 lbs., weatherproof time clock included.	30286	D	252.49	EA	A,N,F,M
01-106-0091	Trap, Solid State Army Miniature (SSAM), Hock Model <b>1012</b> . Used for mosquito surveillance, portable powered by either D cell or rechargeable 6-volt gel cell batteries. Wt 3 lbs. w/o batteries. For D-cell non-rechargeable alkaline batteries, order 6135-00-835-7210 or 6135-00-930-0030. For gel-cell rechargeable batteries, order 6140-00-432-0490. For a battery charger to recharge gel-cell batteries order 6130-00-629-7396. <b>S9M</b>	6T654	L	116.39	EA	A,N,F,M

12. Trap, animal. A device snap/set/glue used to capture animals.

<b>NSN 3740-</b>	<b>Item (Alternate Trade Name)</b>	<b>Cage Code</b>	<b>AAC*</b>	<b>Price</b>	<b>U/I</b>	<b>Users+</b>
00-252-3384	Mouse Trap, Spring, Model CANTMISS OR GGG-M-550, WD base, w/4 way release, 4" X 2" X 0.5." <b>GSA</b>	98878	G	<b>5.42</b>	DZ	A,N,F,M
00-260-1398	Rat Trap, Spring, CAN'T MISS RATTRAP, 7" x 3" x 0.5." <b>GSA</b>	98878	G	<b>17.32</b>	DZ	A,N,F,M
00-260-1401	Trap, Cage, Animal, Portable, Collapsible, Part No, 206, 27" X 9" X 9", wt. 7 lbs.	23907	L	-----	EA	A



01-095-1738	Trap, Cage, Animal, Woodstream Model 1045, galvanized steel, 36" X 11" X 11", wt 16.5 lbs.	84155	D	60.61	EA	F,N
01-096-1632	Trap, Insect, Sticky Trap, Roach, .box of 24 traps, 5" X 3.5" X 2,"	1H3E7	D	63.93	BX	A,N,F,M
01-240-6170	Trap, Rodent, Glue, Woodstream Model M-319 (Holdfast), 9" X 9" X 4", wt 1 lb., 24 traps per box.	84155	D	20.53	BX	A,N,F,M
01-371-6770	Mousetrap, Spring, Part No 81820, expanded trigger.	40850	D	1.80	EA	F
01-412-9363	Indoor Fly Catcher Traps, Part number 445 or M500, cylindrical sticky fly trap, 12 per box.	27633 84155	H	29.80	BX	A,F
01-412-9371	Insect FlyCatcher, Part Number M510, 144 sticky paper strip rolls per box.	84155	H	172.55	BX	A,N,M
01-420-9038	Insecticide, Glue, Part Number 101, four 1 gal containers per box. Used to rodent glue boards.	27633	D	101.20	BX	A,N,F,M
01-423-2471	Pole, Animal Restraint, Part No 81506,	7D560	Z	115.77	EA	A,N,F,M
01-431-1186	Trap, Rodent, Mechanical, Aluminum, Sherman Model LFAHD, Box of 30 traps with 5 spare curved wires and 5 spare straight wires for linking sides and bases.	0TT47	D	<b>557.65</b>	BX	A,N,F,M

13. Rodent Bait Stations. Tamper proof devices used to hold rodent bait.

<b>NSN 3740-</b>	<b>Item (Alternate Trade Name)</b>	<b>Cage Code</b>	<b>AAC*</b>	<b>Price</b>	<b>U/I</b>	<b>Users+</b>
01-467-6951	Container, Rodent Bait, Plastic, Tamper Proof, spring loaded, self closing, extends to allow rodent access to the bait (Keep-Rat Bait station)	1MHL2	D	25.80	BX	A,F,M,N
01-423-0737	Container, Rodent Bait, Plastic, Tamper Proof, capable of dispensing solid or granular bait, Part No 05830, 6 bait stations per box.	9L921	Z	67.56	BX	A,N,F,M

14. Spreader, Granular. A manually-carried or push cart/trailer-mounted unit designed to disperse granular pesticides, fertilizers, and seeds.

<b>NSN 3750-</b>	<b>Item (Alternate Trade Name)</b>	<b>Cage Code</b>	<b>AAC*</b>	<b>Price</b>	<b>U/I</b>	<b>Users+</b>
00-903-	Spreader, Loose Material, Manual, Rotat-	18654	L	22.46	EA	A,F

3734	ing Disc, Model Cyclone 4T06-6T08, 8' maximum spread path width. 40" X 20" X 20", weight 140 lbs.					
00-929-5120	Spreader, Loose Material, Manual, Gravity spread, Part No 603, 3' maximum spread path width. 43" X 25" X 12", wt 123 lbs.	25616	L	_____	EA	F
00-965-0043	Spreader, Loose Material, Towed, Rotating Disc, Part No 111, 56' maximum spread path width.	00229	V	685.00	EA	F
00-729-6897	Spreader, Loose Material, Manual, Hand Crank, Rotating Disc, Part No PCB or 75, 12' maximum spread path width, 10.5" X 9", wt 5.5 lbs.	84945 86951	I	127.40	EA	A,F
00-269-6028	Spreader, Loose Material, Manual, Gravity spread, Rotating Disc, Model Gandy Line Tender 901-3JRKL, 1.75' maximum spread path width. 36" X 36" X 42", wt 124 lbs.	89055	L	_____	EA	F

15. Pheromone Traps stored products. Includes traps, pheromones and accessories used to monitor stored product pests.

<b>NSN 3740-</b>	<b>Item (Alternate Trade Name)</b>	<b>Cage Code</b>	<b>AAC*</b>	<b>Price</b>	<b>U/I</b>	<b>Users+</b>
01-414-8117	Insect Wing Trap Kit, P/N 3653-13, 3-trap stations, 3-liner replacements and 6 lures.	02RG7	J	26.82	KT	A,N,F,M
01-414-8118	Indian-Meal Moth Lures, P/N 3153-25, 25 lures per bag.	02RG7	J	67.68	BG	A,N,F,M
01-414-8123	Confused and Red Flour Beetle Lures, P/N 3156-25, 25 lures per bag	02RG7	J	66.43	BG	A,N,F,M
01-414-8124	Khaphra and Warehouse Beetle Lures, P/N 3155-25, 25 lures per bag.	02RG7	J	50.00	BG	A,N,F,M
01-414-9391	Insect Monitoring Kit, P/N 3565-05, Flit-Trak kit for khaphra and warehouse beetles, 5 traps, 5 lures and food oil attractant.	02RG7	J	28.48	KT	A,N,F,M
01-414-9393	Insect Monitoring Kit, P/N 3566-05, Flit-Trak kit for red and confused flour beetles, 5 traps, 5 lures and food oil attractant.	02RG7	J	33.31	KT	A,N,F,M
01-414-9395	Insect Monitoring Kit, P/N 3567-05, Flit-Trak kit for saw-toothed grain and merchant grain beetles, 5 traps and food oil attractant	02RG7	J	29.76	KT	A,N,F,M

01-414-9397	Cigarette Beetle Lures, P/N 3162-05, 25 lures per bag.	02RG7	J	67.75	BG	A,N,F,M
01-414-9399	Lesser Grain Borer Beetle Lures, P/N 3158-25, 25 lures per bag	02RG7	J	66.76	BG	A,N,F,M
01-418-5107	Insect Monitoring Kit, P/N 3302-00, 100 traps per box	02RG7	J	191.06	BX	A,N,F
01-418-5110	Insect Monitoring Kit, P/N 3303-25, 25 traps per box.	02RG7	J	50.77	BX	A,N,F
01-418-1927	Insect Monitoring Kit, P/N 121901, 100 wing trap kits per box.	1H3E7	H	152.25	BX	A,N,F,M
<b>01-473-1038</b>	Indian-Meal Moth Lures, P/N IMM-100, 100 lures per pkg.	1H3E7	D	<b>300.00</b>	PG	A,N,F,M
<b>01-473-1042</b>	Indian-Meal Moth Kit, P/N SP-IMM-20, 20 lures per box and 20 traps	1H3E7	D	<b>19.70</b>	KT	A,M,N,F
<b>01-473-1039</b>	<b>Indian-Meal Moth Lures, P/N IMM-10, 10 lures per pkg.</b>	1H3E7	D	<b>33.98</b>	PG	A,N,F,M
01-418-1929	Indian-Meal Moth Lures, P/N 122514, 100 lures per bag.	<b>1H3E7</b>	H	162.25	BG	A,N,F

#### 16. Bird Pest Management Devices.

<b>NSN 3740-</b>	<b>Item (Alternate Trade Name)</b>	<b>Cage Code</b>	<b>AAC*</b>	<b>Price</b>	<b>U/I</b>	<b>Users+</b>
00-076-3541	Gun, Scareaway, Zonmark II. Used to scare birds and other pests away from specific areas. Powered by propane gas (propane tank not included), 36" X 12" X 7," wt 20 lbs.	5G078	L	-----	EA	F
01-037-9325	Gun Scareaway, Dana Model AO-86M-3. Used to scare birds and other pests away from specific areas. Powered by propane gas (propane tank not included) , 36" X 12" X 8," wt 30 lbs.	55726	J	311.51	EA	F

#### 17. Miscellaneous.

<b>NSN 3740-</b>	<b>Item (Alternate Trade Name)</b>	<b>Cage Code</b>	<b>AAC*</b>	<b>Price</b>	<b>U/I</b>	<b>Users+</b>
00-252-3383	Swatter, Fly, Model Plasti-Swat 51, 18"lg X 4"w X 0.5," wt 5 oz., 12 per package. <b>GSA</b>	54749	G	3.03	PG	A,N,F,M
01-210-2368	Aspirator, 1.5v (2 -D Cell battery) powered, &" X 3.5" X 2," wt 8 oz w/o bat-	30286	L	42.82	EA	A,N,F,M

	teries. <b>S9M</b>					
01-454-1982	Stake, Flag, Orange, P/N 101066, 2 ½" X 3 ½" Orange vinyl flag, 30" wire length. PG/100 EA	51985	D	8.17	PG	A,N,F,M
01-454-1984	Holder, Carrier, Stake, Flag, P/N 101124, heavy-duty green, cotton duct shoulder bag with shoulder strap.	51985	J	<b>11.62</b>	EA	A,N,F,M
01-454-1987	Scales, Spring, Pesola, 100 gram, PN# 277502, 22 cm long X 5-cm wide w/internal spring, 0.3 lb.	51985	J	<b>51.86</b>	EA	A,N,F,M
01-454-1989	Scales, Spring, Pesola, 500 gram, PN# 277506, 28 cm long X 5 cm wide w/internal spring, o.3 lb.	51985	J	<b>51.86</b>	EA	A,N,F,M
01-454-2256	Aspirator, Oral, Entomology Specimen Collection, WHO aspirator, Straight Plexiglas 10 " tube, plastic coupler w/nylon screen, 2 ft rubber tube w/mouthpiece.	13873	J	3.50	EA	A,N,F,M
01-454-2344	Point Punch, Entomology Specimen, 6" long X ¾" high X 3" wide, metal punch with spring expanded handle, wt. 0.4 lbs.	59590	J	<b>47.83</b>	EA	A,N,F,M
01-454-2345	Breeder, Mosquito, 8 ¾" high X 4 7/8" diameter, consists of two clear quart sized containers, a plastic lid between two sections contains a vinyl funnel through which the emerging adult mosquitoes fly into the upper section.	59590	J	<b>17.72</b>	EA	A,N,F,M
01-454-2348	Tray, Mosquito Larval Sorter, bright white polyethylene tray, 10" wide X 13 ½" long X 1 ¼" deep.	59590	J	9.50	EA	A,N,F,M
01-454-2341	Dipper, Entomological, white plastic 5" diameter with 3' wood handle, P/N 1132	59590	J	19.13	EA	A,N,F,M
01-454-2354	Vials, Collection, Entomology Specimen, 6-dram w/polyseal cap, 23-mm diameter, and 85-mm length.	59590	J	10.70	DZ	A,N,F,M
01-456-2530	Block, Insect Pinning, 1" wide X 3" long, cut to three levels, provides correct label and specimen height on insect pins.	59590	J	1.75	EA	A,N,F,M
6530 01-451-5144	Light, UV, Hand Held, w/replacement bulb (NSN 6210-01-449-3170). 2" X 4" X 8" plastic lamp w/ wrist strap, operates with 4AA batteries, wt. 1.5 lbs.	0USV5	L	28.00	EA	A,N,F,M

## 18. Sets and Kits.

<b>NSN 3740-</b>	<b>Item (Alternate Trade Name)</b>	<b>Cage Code</b>	<b>AAC*</b>	<b>Price</b>	<b>U/I</b>	<b>Users+</b>
00-952-2180	Trap, Rodent. Model 9-552-180, 18" X 15" X 15", wt 40 lbs. <b>S9M</b>		D	373.20	SE	A,N,F,M
00-148-7639	Insect Control Set, Part No. MC06250.7. C/O dusters, insecticides, protective clothing and related equipment identified in Marine Corps Stock List SI-3-07705A.	80372	D	3388.35	SE	M
6545-00-952-2175	Rodent Survey Kit, Used to survey for rodents. 30" X 25" X 20", wt 170 lbs. <b>S9M</b>		X	2537.74	SE	A,N,F,M
6545-00-952-2178	Rodent Survey Kit #1. Used to survey for rodents. 30" X 18" X 16", wt 118 lbs. <b>S9M</b>		D	2092.71	SE	A,N,F,M
6545-00-982-4121	Entomological Collecting Kit, Field, 30" X 24" X 15", wt 90 lbs. <b>S9M</b>		D	6771.32	EA	A,N,F

## 19. Personal Protection Materiel.

<b>NSN</b>	<b>Item (Alternate Trade Name)</b>	<b>Cage Code</b>	<b>AAC*</b>	<b>Price</b>	<b>U/I</b>	<b>Users+</b>
7210-00-266-9736	Insect Net Protector, Field Type, MIL -I-10901, 200" X 68", wt 1lb. Used to protect personnel from insects while sleeping. Mildew resistant nylon fabric.	81349	D	29.05	EA	A,N,F,M
7210-00-267-5641	Pole, Folding Cot, Insect Net Protector. Four 30" X 1" wood poles, wt 1 lb., used to suspend Insect Net protector, Field Type (listed above) from military cots. MIL-P-17662.	81349	D	4.05	SE	A,N,F,M
7210-00-300-6950	Clamp, Insect Net Protector Rod. Used to Attach Insect Bar, Rod s (listed below) to military cots. CID A-A-55099. Requires to clamps to attach Rods and erect the Insect Net Protector.	58536	D	2.70	EA	A,N,F
7210-00-359-4850	Rod, Insect Net Protector. Two T-shaped metal rods, used to suspend the Insect Bar, Field Type. Rods may be pushed into the ground. Rods do not fit into military cots, use Insect Bar, Clamp (listed above). CID A-A-55099. Two Rods, Insect Net	58536	D	6.50	EA	A,N,F

	Protector are required to erect an Insect Net Protector.					
7210-01-364-2198	Insect Net Protector, MIL-I-82265COT, Includes 7210-00-266-9740 Insect Net Protector; 7210-00-267-5641, Pole, Folding Cot Insect Net Protector.	81349	V	21.00	KT	
7210-01-364-2197	Insect Net Protector, MIL-I-10901FIELD. Includes 7210-00-266-9736, Insect Net Protector, 7210-00-359-4850, Rod, Insect Net Protector, 7210-00-300-6950, Clamp, Insect Net Protector.	81349	V	25.00	KT	
7210-00-266-9740	Insect Net Protector, MIL-I-82265, 27" X77.5," Used to protect personnel from insects while sleeping, for use with military cots.	81349	D	26.35	EA	N
8415-00-935-3130	Insect Bar, Head Net. Used to protect head and neck from mosquitoes. 30" X 20," wt 1 lb. MIL-I-11489.	81349	D	5.15	EA	A,N,F,M
8415-00-935-2914	Insect Net, Hat. CID A-A-55082. Nylon Netting, AG323, Elastic Headwear Attachment.	58536	D	0.35	EA	A,N,F
8415-01-192-2357	Insect Net, Mittens. MIL-S-37205. Head and hand covering; nylon; black; packaged in heat-sealed, waterproof bag. A component of Survival Kit, Individual, NSN 6545-00-139-3671, but may be ordered separately.	81349	L	7.88	EA	A,N,F
8415-01-035-0846	Parka, Insect Repellent. Issued with a two oz tube of 75% DEET Repellent, NSN 6840-00-753-4963, Size - Small. Wt 1 lb., MIL-J-87024.	81349	D	16.90	EA	N,F,M
8415-01-035-0847	Parka, Insect Repellent. Issued with a two oz tube of 75% DEET Repellent, NSN 6840-00-753-4963, Size - Medium, Wt 1 lb.	81349	D	16.90	EA	N,F,M
8415-01-035-0848	Parka, Insect Repellent. Issued with a two oz tube of 75% DEET Repellent, NSN 6840-00-753-4963, Size - Large, Wt. 1 lb.	81349	D	16.90	EA	N,F,M

20. Devices for Electrocution of Flying Insects, Reference Armed Forces Pest Management Board Technical Information Memorandum (TIM) No. 25, August 1988, for information on appropriate uses. See paragraph F.3, below to obtain either electronic or hard copies of TIM 25.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
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01-286-2361	Wall Mount, 80W, Type I and Class A, PN # CID	58536	D	218.06	EA	A,N,F,M
01-286-2362	Wall Mount, 40W, Type I and Class B	58536	D	168.60	EA	A,N,F,M
01-286-2363	Ceiling Mount, 80W, Type II and Class A	58536	Z	256.36	EA	A,N,F,M
01-286-2364	Corner Mount, 80W, Type III and Class A	58536	Z	231.64	EA	A,N,F,M
01-287-1036	Ceiling Mount, 40W, Type II and Class B	58536	J	353.23	EA	A,N,F,M

#### **D. Emergency Procurement of Pesticides and Pest Management Equipment.**

##### **\*ACQUISITION ADVICE CODES (ACC)**

Code D. DoD INTEGRATED MATERIAL MANAGER (IMM) STOCKED, AND ISSUED. Issue, transfer, or shipment is not subject to specialized controls other than those imposed by the Integrated Material Manager/Military Service supply policy.

1. The item is centrally managed, stocked, and issued.
2. Requisitions will be submitted in accordance with Military Service requisitioning procedures.

Code H. CENTRAL CONTRACT - NOT STOCKED ITEM. Direct delivery under central contract # (non-stocked items) issue, transfer, or shipment is not subject to specialized controls other than those imposed by IMM/Service/Agency supply policy.

1. The item is centrally managed and procured.
2. Normal issue is by direct shipment from the vendor to the user at the order of the ICP or IMM. However, orders for quantities less than the vendor's minimum order of quantity may be issued from stock by ICP or IMM supply distribution facilities.
3. Requisitions and fund citations will be submitted in accordance with IMM/Service/Agency requisitioning procedures.
4. Generally, delivery will be made within applicable Service/Agency guidelines addressing customer required delivery time frame.

Code J. NOT STOCKED, CONTROLLED PROCURED. Identifies IMM/Military Service centrally managed but not stocked items. Long lead times must be anticipated, since procurement will be initiated only after receipt of a requisition. Requisitions will be submitted in accordance with IMM/Military Service requisitioning procedures.

Code L. LOCAL PURCHASE. IMM/Military Service managed items authorized for local purchase, as a normal means of support, by the Military Service, or base, post, camp, or station level. Items not stocked in wholesale distribution system of IMM/Military Service ICP.

The local purchase forms authorized by the individual IMM/Military Service must be used.  
NOTE: GSA FSS items are included.

#### **E. Emergency Requisition Procedures.**

1. Deploying and/or deployed forces often need pesticides and pest management equipment on short notice. The Defense Logistics Agency has established Emergency Supply Operations Centers (ESOCs) to help meet these needs.

2. For emergency procurement of pesticides, including repellents and pest management equipment, including pesticide application equipment: Contact the Defense Supply Center Richmond (DSCR) Emergency Supply Operations Center (ESOC) at DSN 695-4865 [commercial (804) 279-4865]. This ESOC is staffed 24 hours, 7 days per week.

3. For technical logistical inquiries, contact the DSCR Chemist at DSN 695-3995 or commercial at (804) 279-3995 during normal duty hours (0730-1700 hrs eastern standard time) or via pager number 1-888-824-4030, which is available 24 hours, 7 days per week.

4. For personal protection equipment (respirators, bed nets, head nets, etc.): Contact the Defense Supply Center Philadelphia ESOC Customer Assistance Branch at DSN 444-3042/3043 or Commercial at (215) 737-3041. The Philadelphia ESOC is staffed 0630-1700 hours Monday through Friday, eastern standard time.

#### **F. Armed Forces Pest Management Board (AFPMB) Technical Information Memorandum (TIM) 24, “Contingency Pest Management Pocket Guide”.**

1. This TIM is intended for field use during exercises and contingency operations by deployed forces. The purpose of TIM 24 is to provide basic information on using pesticides and pest management equipment to control disease vectors and pests during field situations worldwide.

2. Most of the pesticide dispersal equipment listed in paragraph C., above, should only be used by personnel (i.e. preventive medicine or installation pest control personnel) who have been formally trained and certified in accordance with DoD 4150.7-P, “The DoD Plan for the Certification of Pesticide Applicators, September 30, 1996 or DoD 4150.7-M, “DoD Pest Management Training and Certification, April 24, 1997. All other personnel should not procure or use pesticide dispersal equipment unless specifically authorized by Service instructions, regulations, or directives.

3. You may obtain copies of TIM 24 from the AFPMB Home Page:  
<http://www.afpmb.org>

#### **G. AFPMB TIM 19, Catalog of DoD Pest Management Materiel, Other than Pesticides.**



1. This TIM is intended to graphically portray through electronic images, the equipment items named in this listing. Whereas this listing is updated at least three times per year, the catalog will be updated at most two times per year, so that there may be some lag between the two sources. The TIM also provides further technical details for the items on this list, and thus is designed to complement the list.

2. TIM 19 is available from the AFPMB Home Page, other AFPMB publications are available from that site or by writing to: The AFPMB, ATTN: DPMIAC, Forest Glen Section, WRAMC, Washington, DC 20307-5001, or calling DSN 295-7479 or commercial (301) 295-7479. You may electronically access AFPMB publications via the AFPMB Home Page: <http://www.afpmb.org>

#### **H. List Maintenance.**

The Armed Forces Pest Management Board and Defense Supply Center Richmond in order to provide current information to the DoD Pest Management Community jointly publish this list. Comments and questions are welcome. Please sent them to: Armed Forces Pest Management Board, Equipment Committee, ATTN: Ex Officio, Forest Glen Section, WRAMC, Washington, DC 20307-5001, or phone Commercial (301) 295-7476, or DSN 295-7476, or FAX Commercial (301) 295-7476 or to Clifford Myers at DSCR (804) 279-3995 or FAX (804) 279-3653, DSN 695.